

REDACTED

LB00076

United States Environmental Protection Agency
Region 4



**35TH AVENUE REMOVAL INVESTIGATION
BIRMINGHAM, ALABAMA
JEFF CROWLEY, ON-SCENE COORDINATOR**

FIELD SAMPLING LOGBOOK

Book 1 of 1
Inclusive Dates: 4/23 - 4/25/13

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
(b) (6)	<u>JL</u>	<u>AES START</u> , Team Leader
	<u>NBC</u>	<u>OTIE</u>

Sampling Procedures and Methodology

Unless specified elsewhere in this logbook, all soil samples will be collected in accordance with the EPA Science and Ecosystem Division (SESD) Field Branches Quality System and Technical Procedures (FBQSTP) Soil Sampling (SESDPROC-300-R2) based on the following design.

The total number of 5-point composite surface soil samples (0-4 inches below ground surface) to be collected from each property will be based on the lot size as follows:

- For residential properties with a total parcel lot size equal to or less than (\leq) 5,000 square feet - the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than ($>$) 5,000 square feet and $\leq \frac{1}{4}$ -acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over $\frac{1}{4}$ -acre in parcel lot size will be divided into $\frac{1}{4}$ -acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

Grab surface soil samples will be collected from apparent exposure pathways where active play sets are located.

Three-point composite surface soil samples will be collected from distinct vegetable gardens from each residential property.

Samples shall not be collected under paved areas or under stationary fixed structures.

Grab sediment samples will be collected in accordance with EPA SESD FBSTP Sediment Sampling (SESDPROC-200-R2) from any surface water drainage pathways located on individual properties, as directed by the OSC, and in and along the banks of the 34th Street North Ditch.

Each surface soil or sediment sample should be homogenized in a stainless steel bowl. One 8-ounce jar will be filled and the remaining sample material will be placed in zip-top bags for screening. Information identifying the location, sample, and date/time will be inscribed on each jar and zip-top bag.

All sample bags will be screened for metals in accordance with SESD FBQSTP Field XRF Measurement (SESDPROC-107-R2) using a Niton XRF. The sample will be dried before sieving or analysis is performed. Once the sample has dried, the sample will be divided into two subsamples; one subsample will be sieved through a #10 screen (2 mm) and the other will be left unsieved. Once separated into sieved and unsieved samples, the zip-top bag will be compressed by folding over the excess plastic and removing as much air and space from the sample as possible. The XRF will be placed directly on the exterior of the compressed sample in the plastic zip-top bag to measure metals concentrations. Following XRF screening, the unsieved portion of the sample material will be containerized into one 8-ounce jars and the sieved portion of the sample will be containerized into another 8-ounce jar.

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Based on the site DQOs the 8-ounce jars of surface soil and sediment samples should be submitted to PEL, Tampa, Florida (a NELAC certified laboratory) for low level PAH, and/or TCL SVOC, RCRA metals, PCB, and/or Hexavalent Chromium analysis. RCRA metals will be analyzed from both the sieved and unsieved portions of the sample. All other analysis will be conducted on the unsieved portion.

The location of each aliquot will also be logged in accordance with SESD FBQSTP Global Positioning System (SESDPROC- 110-R3) using a Trimble GPS.

A description of the color and texture of the aliquot material will be recorded in each box.

The **station ID** for each location will consist of seven characters, beginning with the six digit Property ID designation for the property followed by a alphabetic letter beginning with “A”.

e.g. CV0001A would be the station ID for the front yard 5-pt composite sample collected at the property with Property ID CV0001.

The **sample ID** for each sample is the station ID with “CS” (composite soil), “GS” (grab soil), “SD” (sediment), or “SW” (surface water) appended, therefore, the sample ID for this sample would be CV0001A-CS. Co-located duplicates will be designated by appending a “D” to the end of the sample ID. Pan splits will be identified by appending an “SP” to the end of the sample ID.

(b) (6)

ADDRESS _____
DATE: 7/23/13

PROPERTY ID: Cr0427

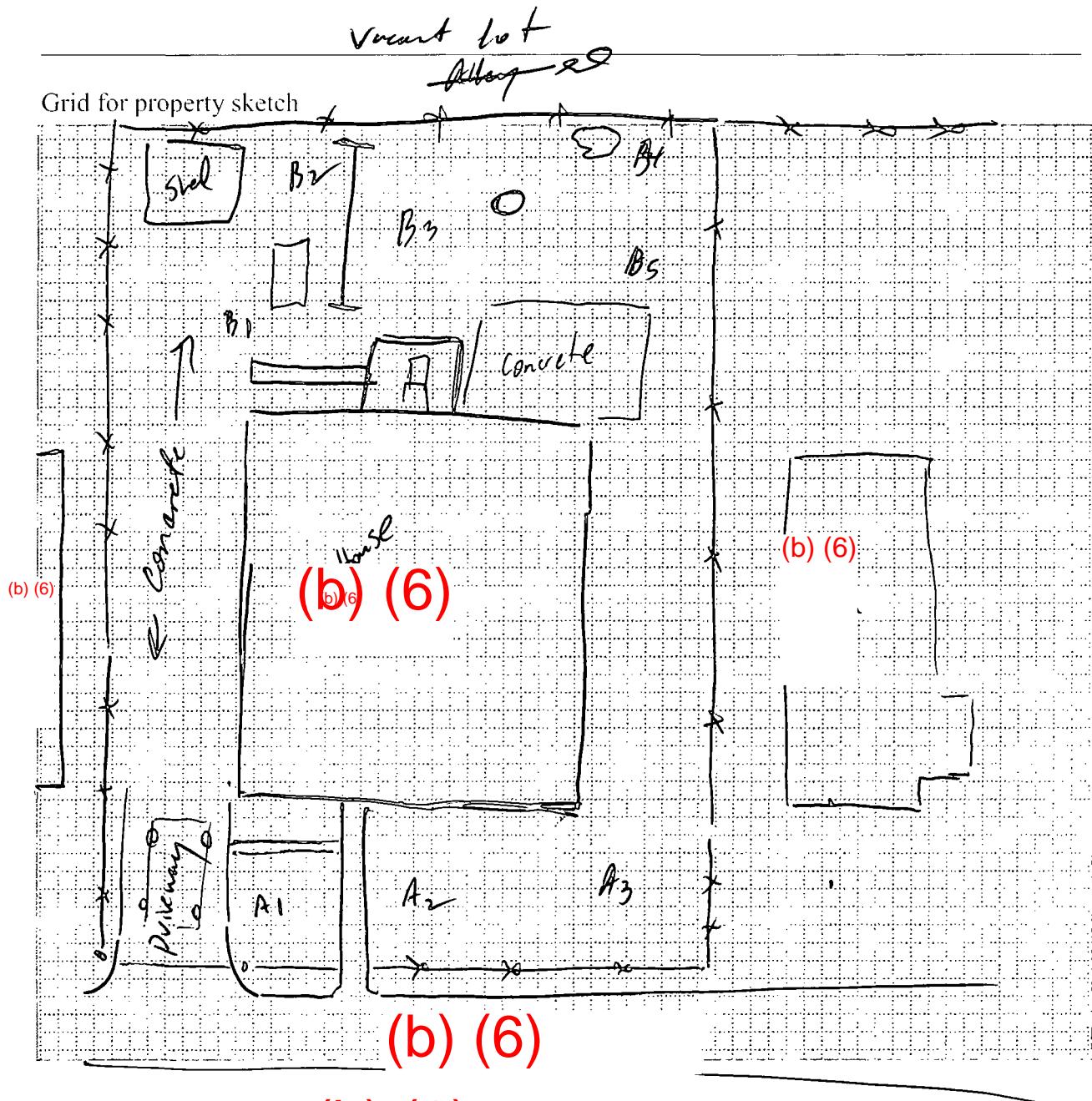
ARRIVAL TIME: 0830

Other pertinent information (weather conditions, etc.):

63°F, sunny, and ESE @ 10 mph

PROPERTY COMMENTS:

Resident @ home. Split samples w/ (b) (6)
(Coconut Mills Caywood [6mc]).



(b) (6)

STATION ID: Cv0427A SAMPLE ID: Cv0427B-CS-SP

SAMPLE COLLECTION TIME: 0853

Description of sample location (front, back, side ~~yard~~ vegetable garden; play set; ditch, etc):

Collection: <u>Composite</u>	or	Grab	MS/MSD? Y or <u>N</u>
Field Duplicate or Split: <u>Yes</u> or No If yes, indicate Duplicate/split sample station ID: <u>Cv0427A</u>			
GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18594</u>		Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.55940915</u>	N Longitude <u>86.79976702</u>	W	
Media description: <u>brown silt + gravel dry</u>			
Aliquot #2 Latitude: <u>33.55942749</u>	N Longitude <u>86.79977212</u>	W	
Media description: <u>brown silt dry</u>			
Aliquot #3: Latitude: <u>33.55945109</u>	N Longitude <u>86.79981689</u>	W	
Media description: <u>brown silt dry</u>			
Aliquot #4: Latitude: <u></u>	N Longitude <u></u>	W	
Media description: <u></u>			
Aliquot #5: Latitude: <u></u>	N Longitude <u></u>	W	
Media description: <u></u>			

STATION ID: Cv0427B SAMPLE ID: Cv0427B-CS-SP

SAMPLE COLLECTION TIME: 0903

Description of sample location (front, ~~back~~, side ~~yard~~ vegetable garden; play set; ditch, etc):

Collection: <u>Composite</u>	or	Grab	MS/MSD? Y or <u>N</u>
Field Duplicate or Split: <u>No</u> or No If yes, indicate Duplicate/split sample station ID: <u>Cv0427B</u>			
GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18594</u>		Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.55925927</u>	N Longitude <u>86.79994447</u>	W	
Media description: <u>brown silt dry</u>			
Aliquot #2 Latitude: <u>33.55922060</u>	N Longitude <u>86.79998548</u>	W	
Media description: <u>sand as #1</u>			
Aliquot #3: Latitude: <u>33.55926446</u>	N Longitude <u>86.79998646</u>	W	
Media description: <u>sand as #1 w/ some gravel</u>			
Aliquot #4: Latitude: <u>33.55926815</u>	N Longitude <u>86.80003120</u>	W	
Media description: <u>sand as #1</u>			
Aliquot #5: Latitude: <u>33.55929442</u>	N Longitude <u>86.80000113</u>	W	
Media description: <u>sand as #1</u>			

(b) (6)

ADDRESS:

PROPERTY ID: CNO718

DATE: 4/23/13

ARRIVAL TIME: 0914

Other pertinent information (weather conditions, etc.):

64°F, clear, wind ESE @ 5-10

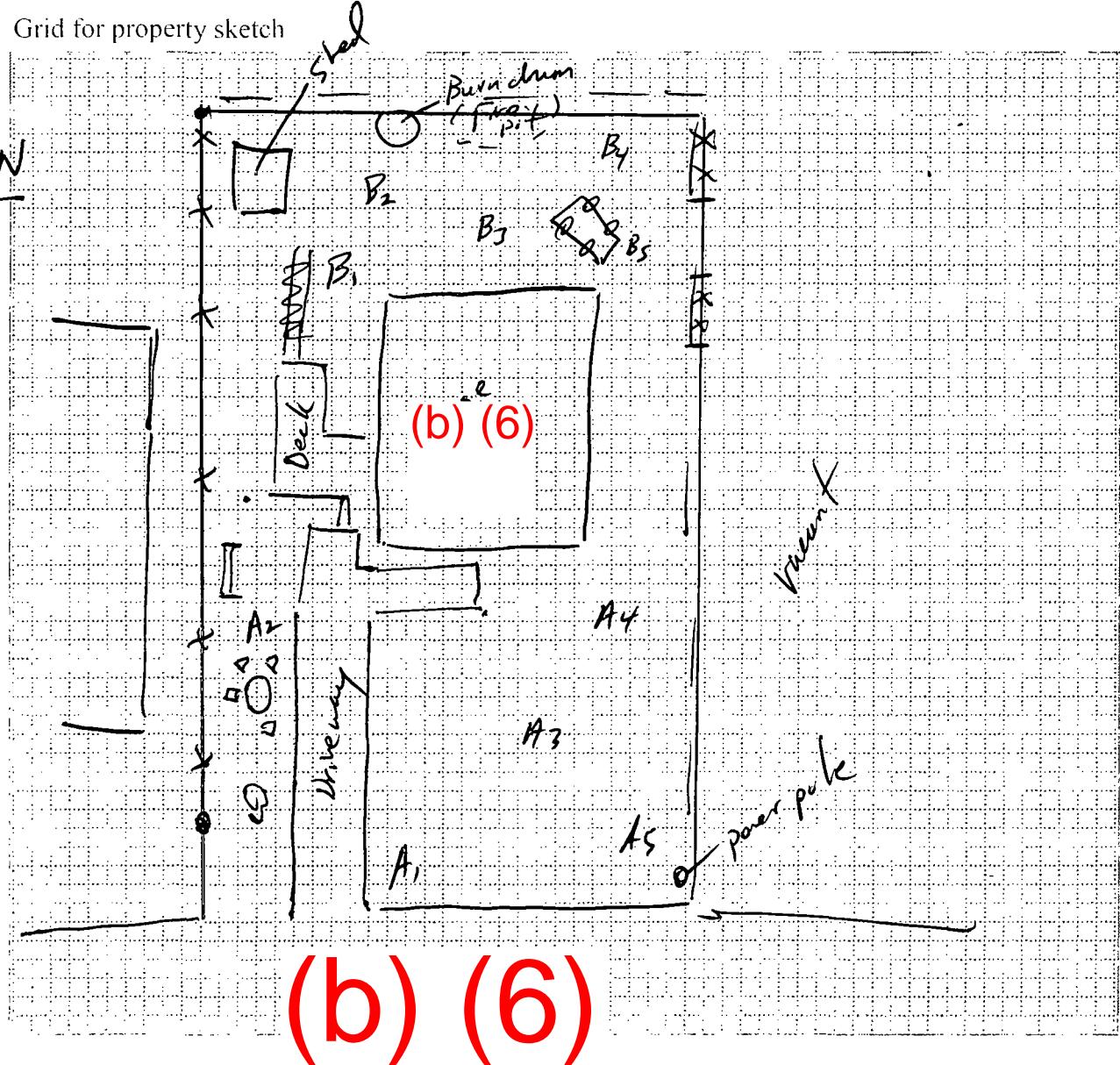
PROPERTY COMMENTS:

(b) (6)

Split samples w/
Burn drums in backyard

GMC

Grid for property sketch



STATION ID: CNO718A

SAMPLE ID: CNO718A-CS-SP

SAMPLE COLLECTION TIME: 0931

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split? Yes or No If yes, indicate Duplicate/split sample station ID: CNO718A

GPS Coordinates: Trimble [X] Instrument #: 18594 Logged? D or N

Aliquot #1: Latitude: 33, 55747827 N Longitude 86.80135896 W
Media description: brown silt w/ coal frags. & gravel dry

Aliquot #2: Latitude: 33, 55746426 N Longitude 86.80125406 W
Media description: same as #1

Aliquot #3: Latitude: 33, 55743429 N Longitude 86.80132937 W
Media description: same as #1

Aliquot #4: Latitude: 33, 55738540 N Longitude 86.80130581 W
Media description: same as #1

Aliquot #5: Latitude: 33, 55743454 N Longitude 86.80138910 W
Media description: tan clay / brown silt w/ coal frags & gravel dry

STATION ID: CNO718B

SAMPLE ID: CNO718B-CS-SP

SAMPLE COLLECTION TIME: 0944

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split? D or No If yes, indicate Duplicate/split sample station ID: CNO718B

GPS Coordinates: Trimble [X] Instrument #: 18594 Logged? D or N

Aliquot #1: Latitude: 33, 55730802 N Longitude 86.80108787 W
Media description: brown silt / clay w/ coal frags & gravel dry

Aliquot #2: Latitude: 33, 55725642 N Longitude 86.80104182 W
Media description: same as #1

Aliquot #3: Latitude: 33, 55726618 N Longitude 86.80109310 W
Media description: same as #1

Aliquot #4: Latitude: 33, 55719672 N Longitude 86.80104644 W
Media description: same as #1

Aliquot #5: Latitude: 33, 55727592 N Longitude 86.80113028 W
Media description: same as #1

(b) (6)

ADDRESS:

PROPERTY ID: CVO147

DATE: 4/23/13

ARRIVAL TIME: 1018

Other pertinent information (weather conditions, etc.):

66°F, sunny, wind ESE @ 5 mph

PROPERTY COMMENTS:

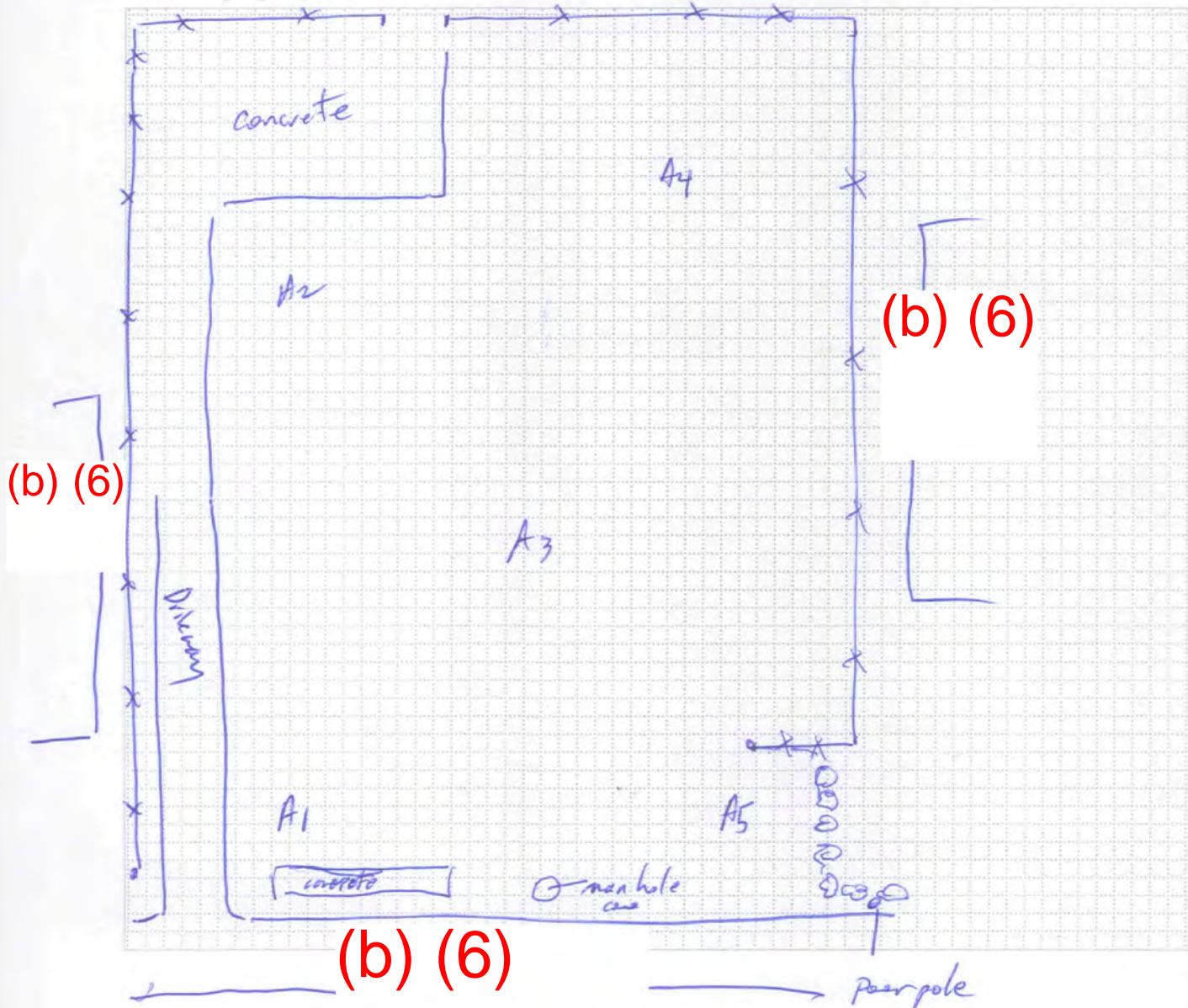
vacant lot.

(b) (6)

Split samples of

(comc)

Grid for property sketch



gl 0147A
STATION ID: CV0417A SAMPLE ID: 014772
CV0417A-CS-SP

SAMPLE COLLECTION TIME: 1033

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Vacant lot

Collection: Composite or Grab

MS/MSD? Y or N Y *cv0147A*

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0417A

GPS Coordinates:	Trimble []	Instrument #:	<u>18594f</u>	Logged?	<input checked="" type="radio"/> Y or N
Aliquot #1:	Latitude:	<u>33° 55' 8.95823</u>	N Longitude	<u>86.80590165</u>	W
	Media description:	<i>dk brown silty clay dry</i>			
Aliquot #2:	Latitude:	<u>33° 55' 8.6032</u>	N Longitude	<u>86.805907569</u>	W
	Media description:	<i>Same as #1</i>			
Aliquot #3:	Latitude:	<u>33° 55' 8.99851</u>	N Longitude	<u>86.80597366</u>	W
	Media description:	<i>orange silty clay w/ coal fragments dry</i>			
Aliquot #4:	Latitude:	<u>33° 55' 9.01870</u>	N Longitude	<u>86.80608104f</u>	W
	Media description:	<i>Same as #3</i>			
Aliquot #5:	Latitude:	<u>33° 55' 9.02678</u>	N Longitude	<u>86.80589537</u>	W
	Media description:	<i>Same as #3</i>			

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection:	Composite	or	Grab	MS/MSD?	Y or N
Field Duplicate or Split:	Yes	or	No	If yes, indicate Duplicate/split sample station ID:	
GPS Coordinates:	Trimble []	Instrument #:		Logged?	<input checked="" type="radio"/> Y or N
Aliquot #1:	Latitude:		N Longitude		W
	Media description:				
Aliquot #2:	Latitude:		N Longitude		W
	Media description:				
Aliquot #3:	Latitude:		N Longitude		W
	Media description:				
Aliquot #4:	Latitude:		N Longitude		W
	Media description:				
Aliquot #5:	Latitude:		N Longitude		W
	Media description:				

(b) (6)

ADDRESS:

PROPERTY ID: 6P0157

DATE:

4/27/13

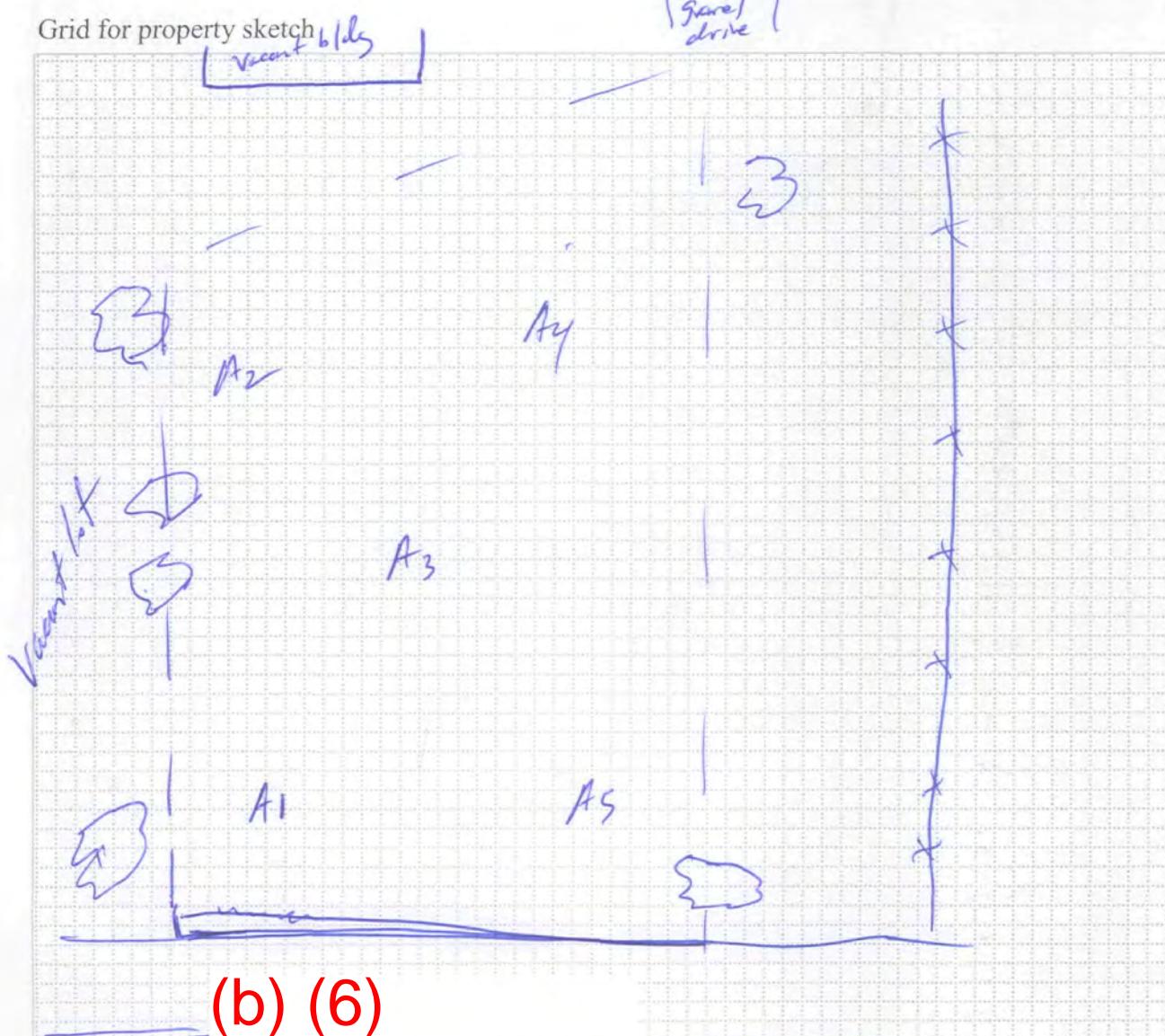
ARRIVAL TIME: 12:35^{PM}

Other pertinent information (weather conditions, etc.):

71°F, partly cloudy, wind SSE 10 mph

PROPERTY COMMENTS:

Vacant lot. Split samples w/
(b) (6) (anc).



(b) (6)

STATION ID: HPO157 SAMPLE ID: HPO157A-CS-SP

SAMPLE COLLECTION TIME: 1246

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Vacant lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HPO157A

GPS Coordinates:	Trimble [X]	Instrument #:	<u>18594</u>	Logged?	<u>Q</u>	or N
Aliquot #1:	Latitude:	<u>33.56596556</u>	N Longitude	<u>86.79474425</u>	W	
	Media description:	<u>brown/dk brown silty clay dry</u>				
Aliquot #2:	Latitude:	<u>33.56614446</u>	N Longitude	<u>86.79474929</u>	W	
	Media description:	<u>Same as #1</u>				
Aliquot #3:	Latitude:	<u>33.56604753</u>	N Longitude	<u>86.79471167</u>	W	
	Media description:	<u>Same as #1</u>				
Aliquot #4:	Latitude:	<u>33.56614220</u>	N Longitude	<u>86.79468798</u>	W	
	Media description:	<u>orange silty clay dry</u>				
Aliquot #5:	Latitude:	<u>33.56595019</u>	N Longitude	<u>86.79468493</u>	W	
	Media description:	<u>Same as #1</u>				

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble []	Instrument #:	_____	Logged?	Y	or N
Aliquot #1:	Latitude:	_____	N Longitude	_____	W	
	Media description:					
Aliquot #2:	Latitude:	_____	N Longitude	_____	W	
	Media description:					
Aliquot #3:	Latitude:	_____	N Longitude	_____	W	
	Media description:					
Aliquot #4:	Latitude:	_____	N Longitude	_____	W	
	Media description:					
Aliquot #5:	Latitude:	_____	N Longitude	_____	W	
	Media description:					

(b) (6)

ADDRESS: _____ PROPERTY ID: EROS75

DATE: 9/23/13 ARRIVAL TIME: 1310

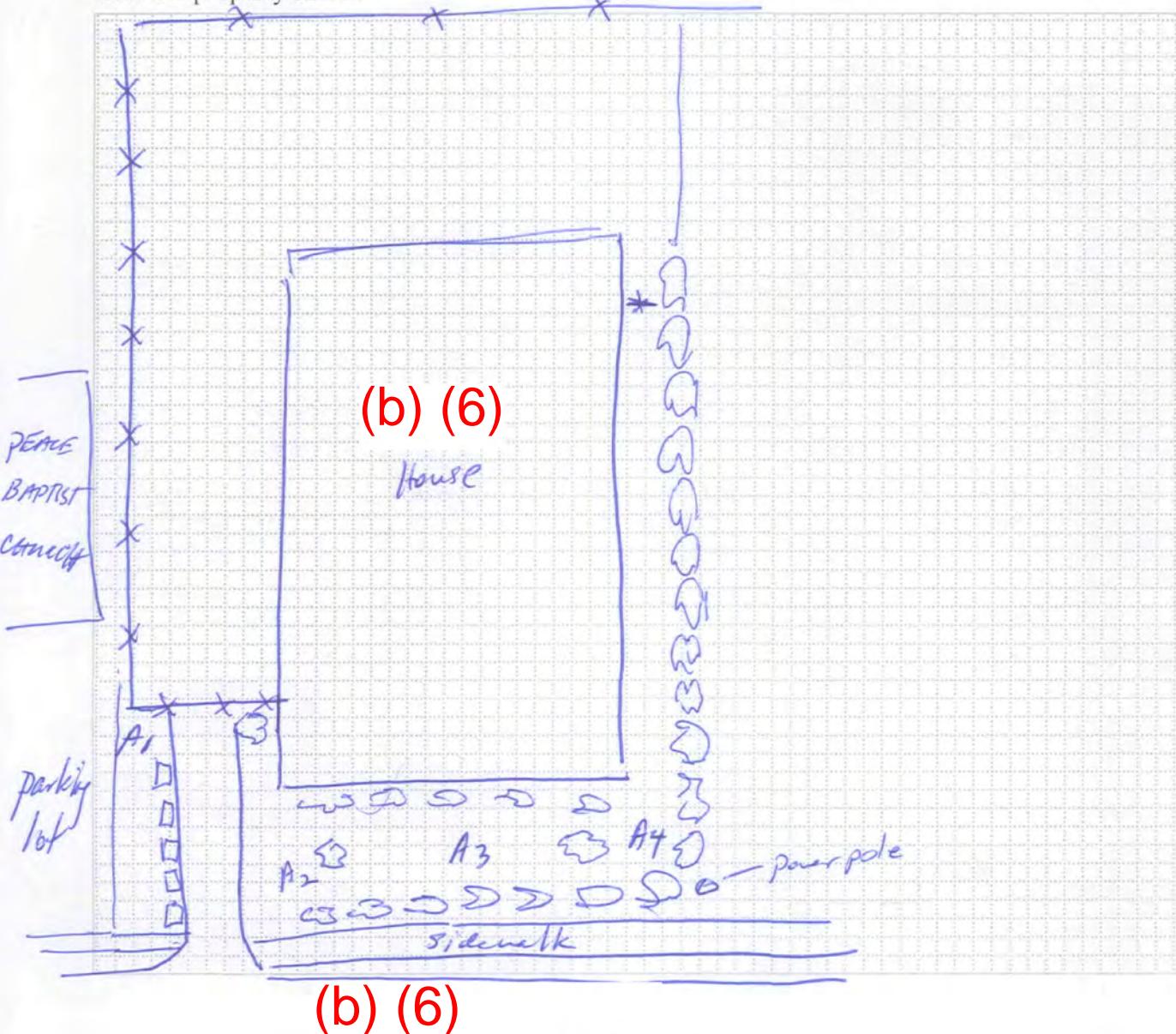
Other pertinent information (weather conditions, etc.):

72°F, sunny, wind SSE @ 10 mph

PROPERTY COMMENTS:

resident @ home. resident does not
have key to unlock back gate &
only wants front yard sampled.
Split samples w/ (b) (6) (BMC)

Grid for property sketch



(b) (6)

STATION ID:

CV0575A

SAMPLE ID: CV0575A-CS-SP

SAMPLE COLLECTION TIME: 1322

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X] Instrument #:	18594	Logged? Y or N		
Aliquot #1: Latitude:	33.55955244	N Longitude	86.79881087	W
Media description:	brown silt w/ gravel dry			
Aliquot #2 Latitude:	33.55961739	N Longitude	86.79879122	W
Media description:	same as #1			
Aliquot #3: Latitude:	33.55964597	N Longitude	86.79882893	W
Media description:	same as #1			
Aliquot #4: Latitude:	33.55966430	N Longitude	86.79886332	W
Media description:	same as #1			
Aliquot #5: Latitude:		N Longitude		W
Media description:				

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [] Instrument #:		Logged? Y or N		
Aliquot #1: Latitude:		N Longitude		W
Media description:				
Aliquot #2 Latitude:		N Longitude		W
Media description:				
Aliquot #3: Latitude:		N Longitude		W
Media description:				
Aliquot #4: Latitude:		N Longitude		W
Media description:				
Aliquot #5: Latitude:		N Longitude		W
Media description:				

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0927

DATE: 4/23/13 ARRIVAL TIME: 1335

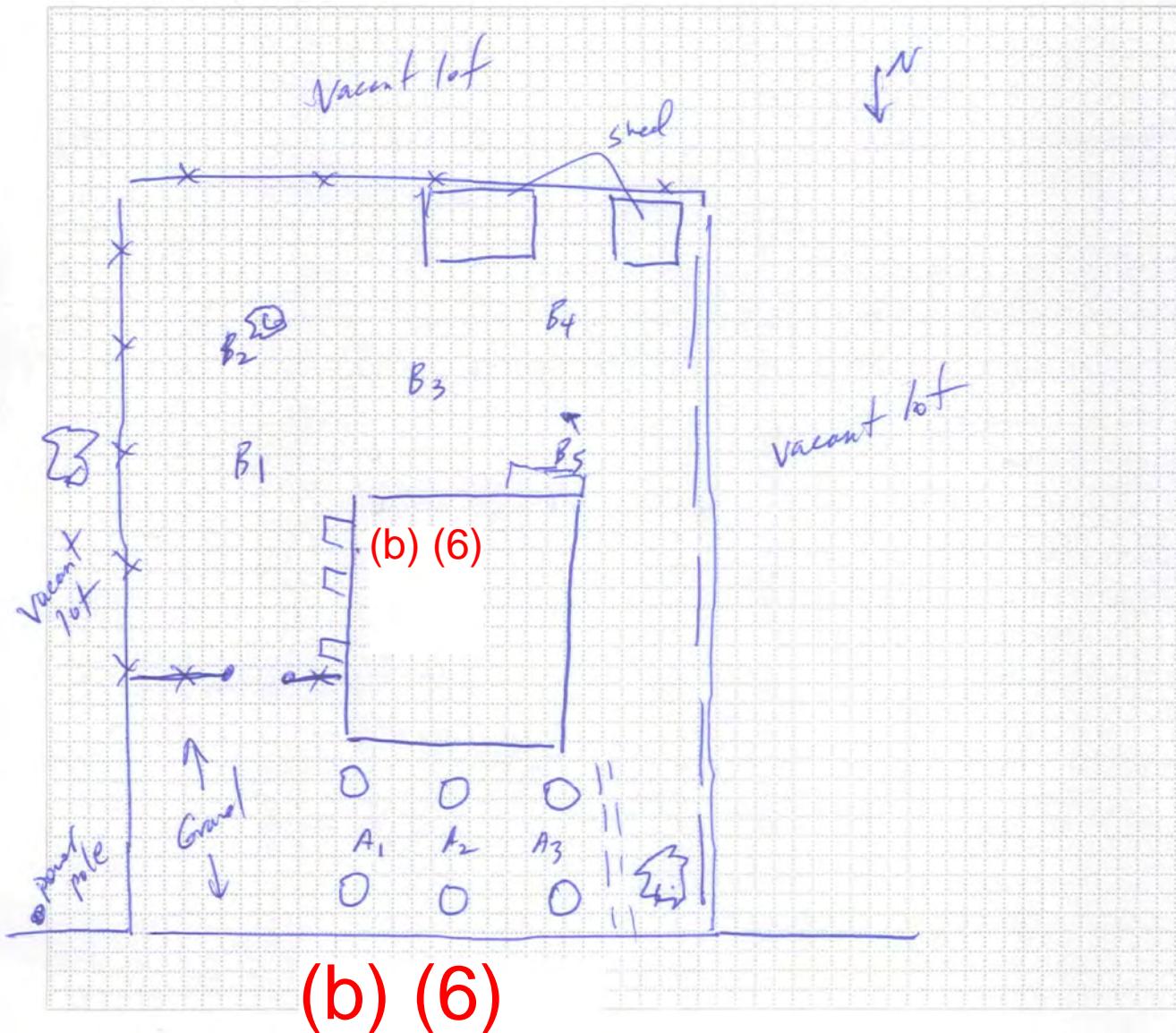
Other pertinent information (weather conditions, etc.):

73°F, sunny, wld SSE @ SWFH

PROPERTY COMMENTS:

Resident @ home. Split samples w/
C. Makino (Comc).

Grid for property sketch



STATION ID: CV0927A SAMPLE ID: CV0927A-CS-SP

SAMPLE COLLECTION TIME: 1351

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: <u>Composite</u>	or	Grab	MS/MSD? Y or <u>N</u>
Field Duplicate or Split: <u>Yes</u> or No If yes, indicate Duplicate/split sample station ID: <u>CV0927A</u>			
GPS Coordinates: Trimble <u>X</u> Instrument #: <u>18594</u>		Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.55748349</u> N Longitude <u>86.79509575</u> W			
Media description: <u>brown silt dry</u>			
Aliquot #2 Latitude: <u>33.55749663</u> N Longitude <u>86.79513247</u> W			
Media description: <u>same as #1 w/ grave</u>			
Aliquot #3: Latitude: <u>33.55749981</u> N Longitude <u>86.79515724</u> W			
Media description: <u>same as #1</u>			
Aliquot #4: Latitude: <u>33.55733675</u> N Longitude <u>86.79507399</u> W			
Media description: <u>brown silty clay w/ grave / dry</u>			
Aliquot #5: Latitude: <u>33.55726918</u> N Longitude <u>86.79508002</u> W			
Media description: <u>same as #1</u>			

STATION ID: CV0927B SAMPLE ID: CV0927B-CS-SP

SAMPLE COLLECTION TIME: 1403

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: <u>Composite</u>	or	Grab	MS/MSD? Y or <u>N</u>
Field Duplicate or Split: <u>Yes</u> or No If yes, indicate Duplicate/split sample station ID: <u>CV0927B</u>			
GPS Coordinates: Trimble <u>X</u> Instrument #: <u>18594</u>		Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.55733675</u> N Longitude <u>86.79507399</u> W			
Media description: <u>brown silty clay w/ grave / dry</u>			
Aliquot #2 Latitude: <u>33.55726918</u> N Longitude <u>86.79508002</u> W			
Media description: <u>same as #1</u>			
Aliquot #3: Latitude: <u>33.55730277</u> N Longitude <u>86.79512095</u> W			
Media description: <u>same as #1 w/ coal frags.</u>			
Aliquot #4: Latitude: <u>33.55726738</u> N Longitude <u>86.79515454</u> W			
Media description: <u>same as #1</u>			
Aliquot #5: Latitude: <u>33.55738526</u> N Longitude <u>86.7951884</u> W			
Media description: <u>same as #1</u>			

(b) (6)

ADDRESS:

PROPERTY ID: 2V0686

DATE: 4/23/13

ARRIVAL TIME: 1445

Other pertinent information (weather conditions, etc.):

74°F, sunny, wind SSE @ MPH

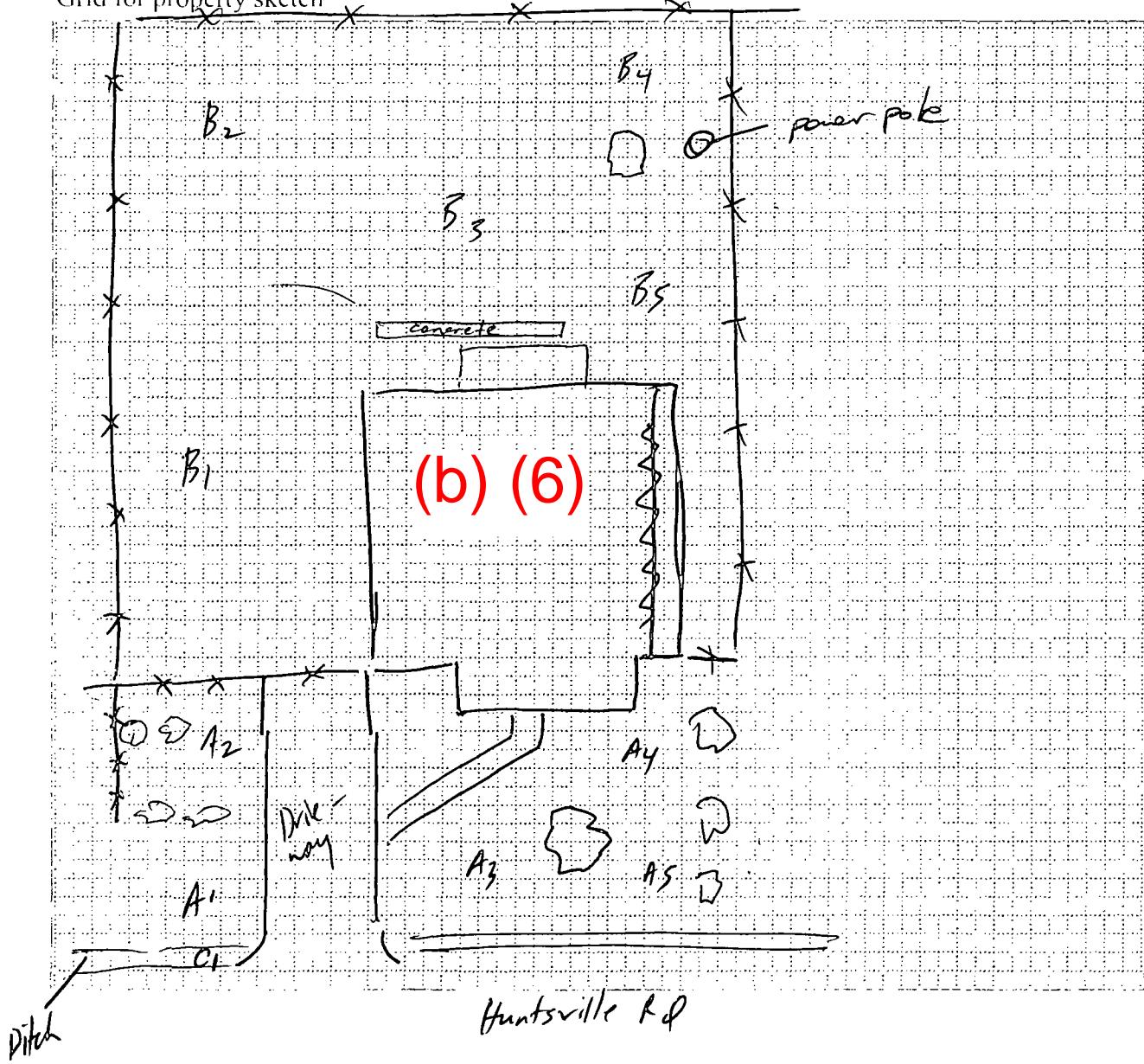
PROPERTY COMMENTS:

No resident @ home

Drainage ditch in front along Huntsville Rd.

Split samples w/ (b) (6) (one)

Grid for property sketch



STATION ID: CV0686A SAMPLE ID: CV0686A-CS-SP

SAMPLE COLLECTION TIME: 1459

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0686A

GPS Coordinates: Trimble X Instrument #: 18594 Logged? D or N
Aliquot #1: Latitude: 33.56250645 N Longitude 86.79829756 W
Media description: brown / dk brown silty clay dry
Aliquot #2: Latitude: 33.56253098 N Longitude 86.79853576 W
Media description: same as #1
Aliquot #3: Latitude: 33.56256837 N Longitude 86.79826492 W
Media description: same as #1 w/ coal fragments
Aliquot #4: Latitude: 33.56262344 N Longitude 86.79828391 W
Media description: same as #1
Aliquot #5: Latitude: 33.56262808 N Longitude 86.79824688 W
Media description: brown sandy silt dry

STATION ID: CV0686B SAMPLE ID: CV0686B-CS-SP

SAMPLE COLLECTION TIME: 1512

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0686B

GPS Coordinates: Trimble X Instrument #: 18594 Logged? D or N
Aliquot #1: Latitude: 33.56253255 N Longitude 86.79841192 W
Media description: brown silty clay dry
Aliquot #2: Latitude: 33.56255164 N Longitude 86.79855360 W
Media description: orange sand clay dry
Aliquot #3: Latitude: 33.56258026 N Longitude 86.79851220 W
Media description: same as #2
Aliquot #4: Latitude: 33.56263565 N Longitude 86.79856211 W
Media description: same as #2
Aliquot #5: Latitude: 33.56263361 N Longitude 86.79849309 W
Media description: same as #2

ADDRESS: _____ PROPERTY ID: _____

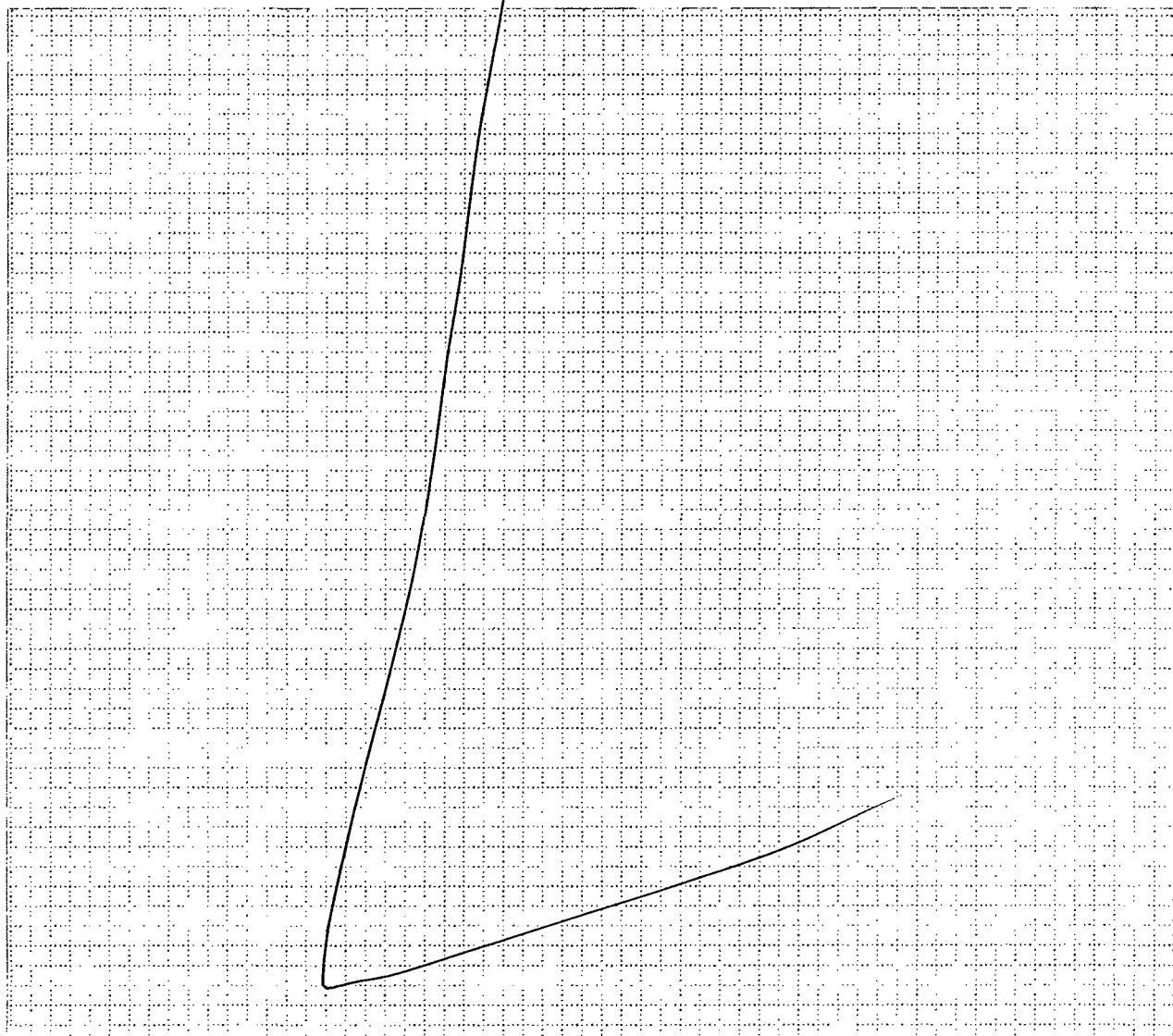
DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

SEE PG. 18

Grid for property sketch



STATION ID: CV0686 CSAMPLE ID: CV0686C-GS-SPSAMPLE COLLECTION TIME: 1522Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
ditch along Huntsville RdCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0686C

GPS Coordinates:	Trimble []	Instrument #:	<u>18594</u>	Logged?	<u>Ø</u> or N
Aliquot #1:	Latitude:	<u>33.56251651</u>	N Longitude	<u>86.79825727</u>	W
	Media description:	<u>black sand moist</u>			
Aliquot #2:	Latitude:		N Longitude		W
	Media description:				
Aliquot #3:	Latitude:		N Longitude		W
	Media description:				
Aliquot #4:	Latitude:		N Longitude		W
	Media description:				
Aliquot #5:	Latitude:		N Longitude		W
	Media description:				

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
_____Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble []	Instrument #:		Logged?	Y or N
Aliquot #1:	Latitude:		N Longitude		W
	Media description:				
Aliquot #2:	Latitude:		N Longitude		W
	Media description:				
Aliquot #3:	Latitude:		N Longitude		W
	Media description:				
Aliquot #4:	Latitude:		N Longitude		W
	Media description:				
Aliquot #5:	Latitude:		N Longitude		W
	Media description:				

(b) (6)

ADDRESS: _____ PROPERTY ID: #P0288

DATE: 4/24/13 ARRIVAL TIME: 0831

Other pertinent information (weather conditions, etc.):

65°F, partly cloudy, wind SSW @ 15 MPH.

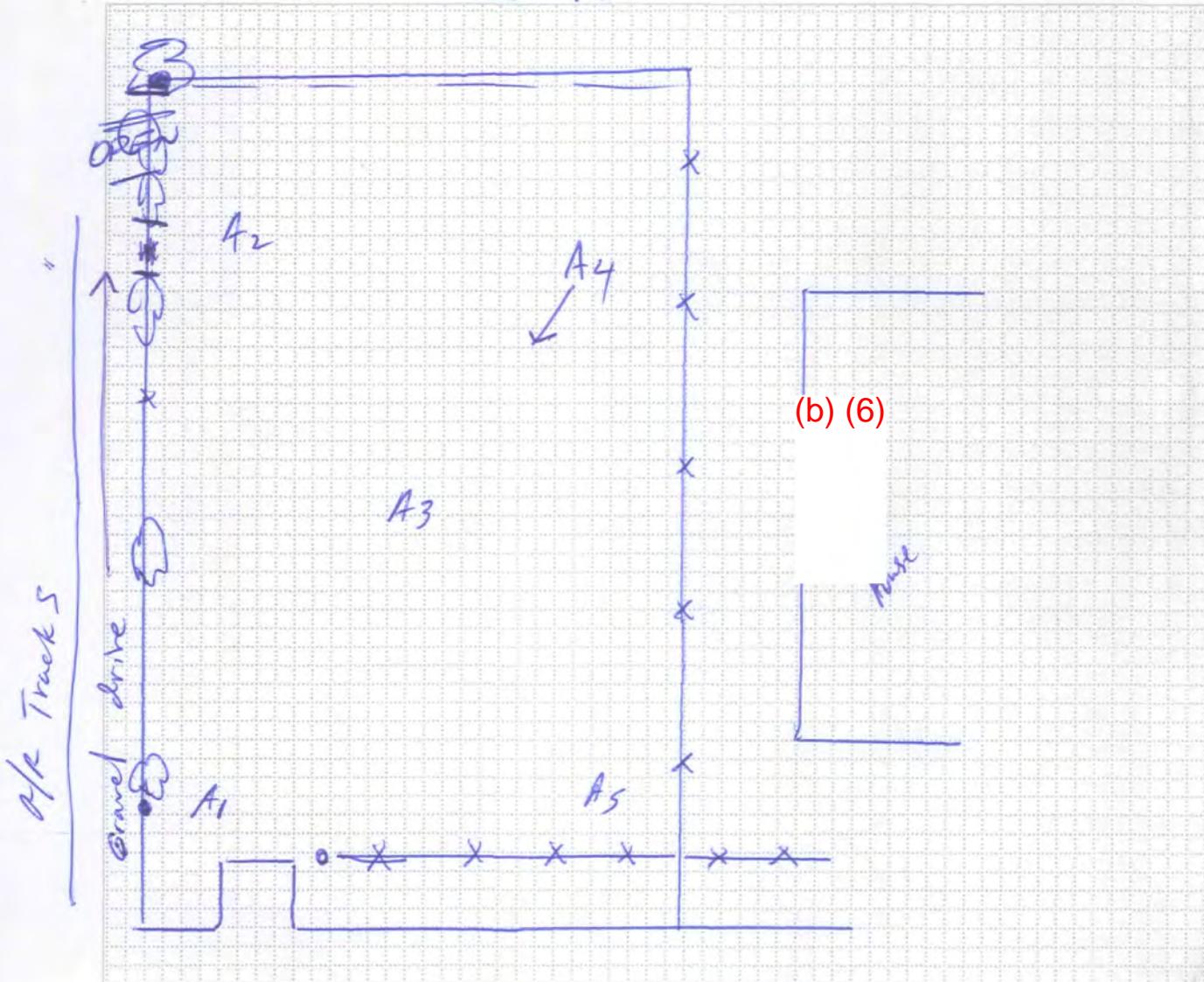
PROPERTY COMMENTS: S (South of) E (East of)

Vacant lot bordering

Split samples w/ (b) (6)

Grid for property sketch

← N



STATION ID: HP02F8ASAMPLE ID: HP0288A-CS-58SAMPLE COLLECTION TIME: 0856Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Vineant lotCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.56739327</u>	N Longitude	<u>86.78929987</u> W
	Media description:	<u>org. /brown silt clay w/coal frags. dry</u>		
Aliquot #2	Latitude:	<u>33.56705940</u>	N Longitude	<u>86.78931923</u> W
	Media description:	<u>Same as #1</u>		
Aliquot #3:	Latitude:	<u>33.56722603</u>	N Longitude	<u>86.78933842</u> W
	Media description:	<u>tan clay dry</u>		
Aliquot #4:	Latitude:	<u>33.56715604</u>	N Longitude	<u>86.78938037</u> W
	Media description:	<u>Same as #1</u>		
Aliquot #5:	Latitude:	<u>33.56739103</u>	N Longitude	<u>86.78935715</u> W
	Media description:	<u>Same as #1</u>		

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble <input type="checkbox"/> Instrument #:		Logged?	Y or N
Aliquot #1:	Latitude:		N Longitude	W
	Media description:			
Aliquot #2	Latitude:		N Longitude	W
	Media description:			
Aliquot #3:	Latitude:		N Longitude	W
	Media description:			
Aliquot #4:	Latitude:		N Longitude	W
	Media description:			
Aliquot #5:	Latitude:		N Longitude	W
	Media description:			

(b) (6)

ADDRESS:

PROPERTY ID: AP0232

DATE: 2/27/13

ARRIVAL TIME: 0910

Other pertinent information (weather conditions, etc.):

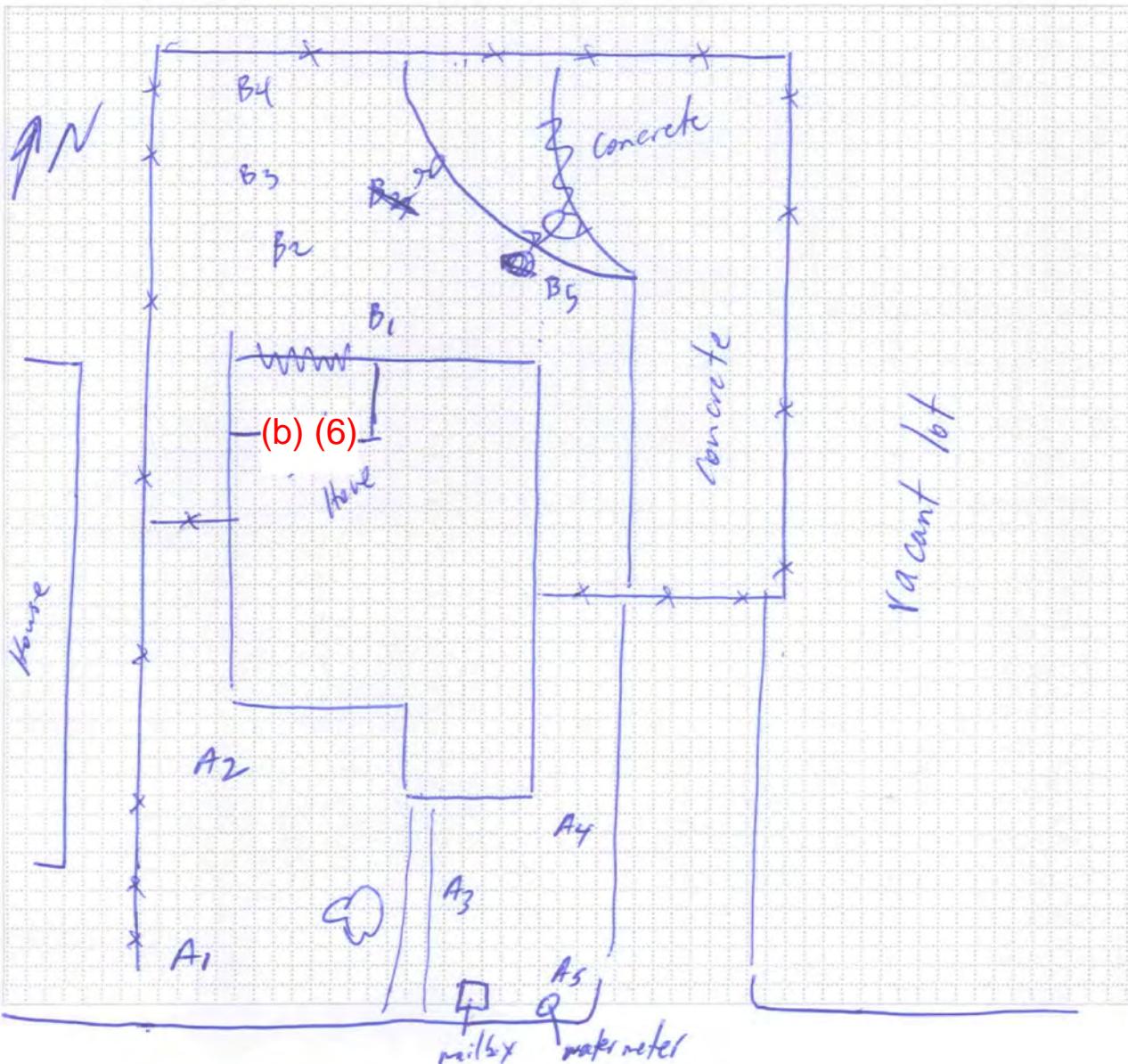
65°F, cloudy, wind 5 @ 15 MPH.

PROPERTY COMMENTS:

residential property, residential & home.

split samples w/ (b) (6) (concr)-

Grid for property sketch



(b) (6)

STATION ID: HP0232ASAMPLE ID: HP0232A-CS-SPSAMPLE COLLECTION TIME: 09217

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0232A

GPS Coordinates: Trimble [X] Instrument #: 18594 Logged? Y or N

Aliquot #1: Latitude: 33.56675176 N Longitude 86.79218402 W
Media description: brown clay dry

Aliquot #2 Latitude: 33.56679141 N Longitude 86.79219344 W
Media description: sand as #1

Aliquot #3: Latitude: 33.56675956 N Longitude 86.79211830 W
Media description: sand as #1

Aliquot #4: Latitude: 33.56676890 N Longitude 86.79207733 W
Media description: sand as #1

Aliquot #5: Latitude: 33.5661728774 N Longitude 86.79207357 W
Media description: sand as #1

STATION ID: HP0232BSAMPLE ID: HP0232B-CS-SPSAMPLE COLLECTION TIME: 0941

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0232B

GPS Coordinates: Trimble [X] Instrument #: 18594 Logged? Y or N

Aliquot #1: Latitude: 33.56695840 N Longitude 86.79210411 W
Media description: orange/brown silty clay dry

Aliquot #2 Latitude: 33.56697707 N Longitude 86.79214187 W
Media description: sand as #1

Aliquot #3: Latitude: 33.56702129 N Longitude 86.79214903 W
Media description: sand as #1

Aliquot #4: Latitude: 33.56710292 N Longitude 86.79214938 W
Media description: sand as #1

Aliquot #5: Latitude: 33.56697748 N Longitude 86.79209331 W
Media description: sand as #1 w/ coal frags.

(b) (6)

ADDRESS:

PROPERTY ID: HP0200

DATE: 4/24/13

ARRIVAL TIME: 0955

Other pertinent information (weather conditions, etc.):

65°F, mostly cloudy, wind S @ 15 MPH.

PROPERTY COMMENTS:

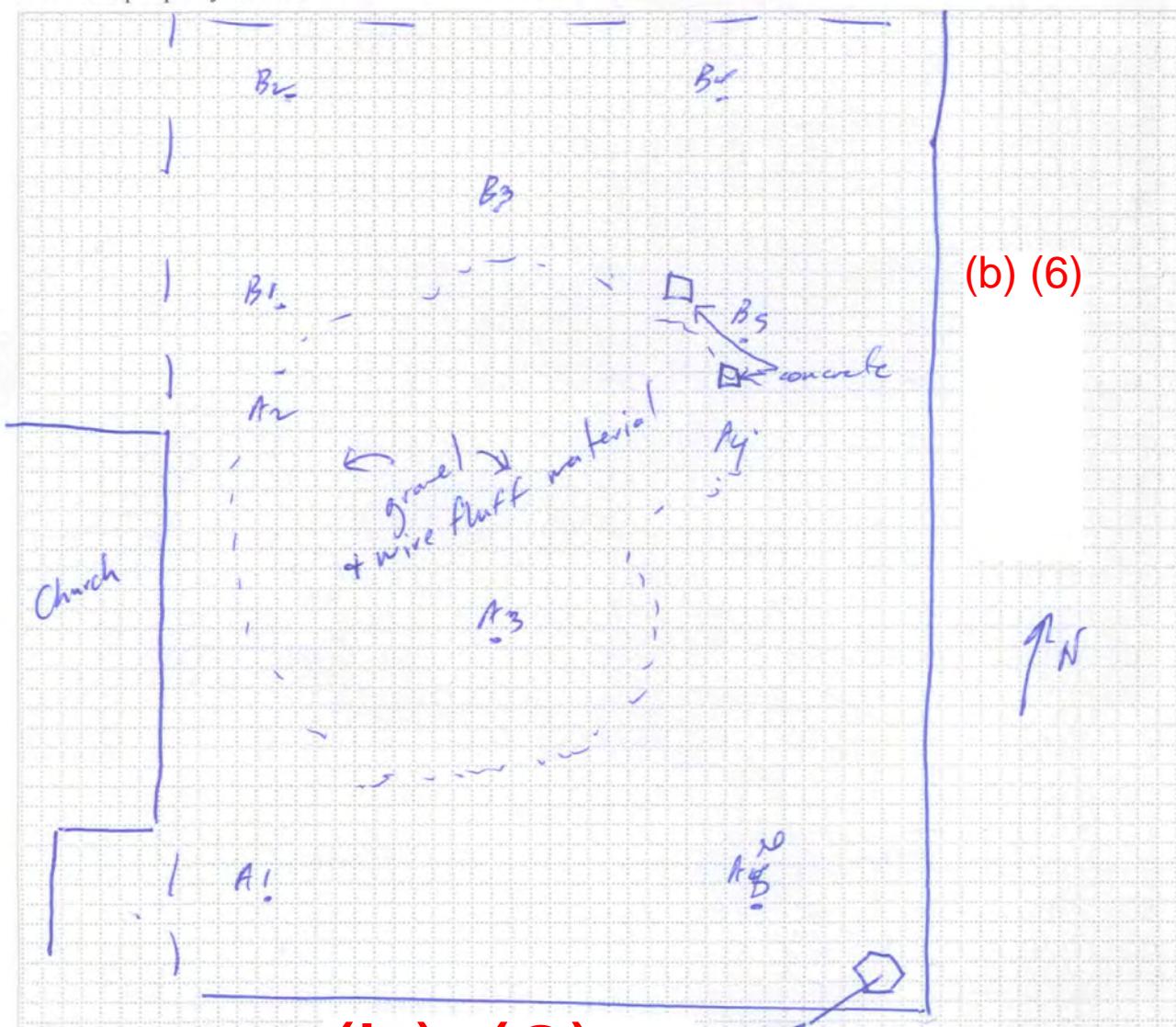
vacant lot (parking area) to east of

Cornerstone Apostolic Church.

Wire fluff material evident @ surface
throughout most of center portion of site.

Grid for property sketch

vacant lot



STATION ID: HPO200A SAMPLE ID: HPO200A-CS-SP

SAMPLE COLLECTION TIME: 1017

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front (43rd Ave side) of lot

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HPO200A

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>]	Instrument #:	<u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1:	Latitude:	<u>33.56579993</u>	N Longitude	<u>86.79094617</u> W
	Media description:	<u>brown silt w/ wire fluff material</u>		
Aliquot #2:	Latitude:	<u>33.56596307</u>	N Longitude	<u>86.79093243</u> W
	Media description:	<u>same as #1</u>		
Aliquot #3:	Latitude:	<u>33.56588913</u>	N Longitude	<u>86.79087949</u> W
	Media description:	<u>same as #1</u>		
Aliquot #4:	Latitude:	<u>33.56596338</u>	N Longitude	<u>86.79083337</u> W
	Media description:	<u>same as #1</u>		
Aliquot #5:	Latitude:	<u>33.56580084</u>	N Longitude	<u>86.79083917</u> W
	Media description:	<u>same as #1</u>		

STATION ID: HPO200B SAMPLE ID: HPO200B-CS-SP

SAMPLE COLLECTION TIME: 1030

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back side of lot

Collection:	<u>Composite</u>	or Grab	MS/MSD? Y or <u>N</u>
Field Duplicate or Split:	<u>Yes</u>	or No If yes, indicate Duplicate/split sample station ID:	<u>HPO200B</u>
GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>]	Instrument #:	<u>18594</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1:	Latitude:	<u>33.56598994</u>	N Longitude <u>86.79093327</u> W
	Media description:	<u>brown silt w/ wire fluff material</u>	
Aliquot #2:	Latitude:	<u>33.56612525</u>	N Longitude <u>86.79093109</u> W
	Media description:	<u>same as #1</u>	
Aliquot #3:	Latitude:	<u>33.56607367</u>	N Longitude <u>86.79089625</u> W
	Media description:	<u>same as #1</u>	
Aliquot #4:	Latitude:	<u>33.56612819</u>	N Longitude <u>86.79083188</u> W
	Media description:	<u>brown silt dry</u>	
Aliquot #5:	Latitude:	<u>33.56598739</u>	N Longitude <u>86.79082785</u> W
	Media description:	<u>same as #1</u>	

(b) (6)

ADDRESS: _____ PROPERTY ID: CV1342

DATE: 4/24/13 ARRIVAL TIME: 110

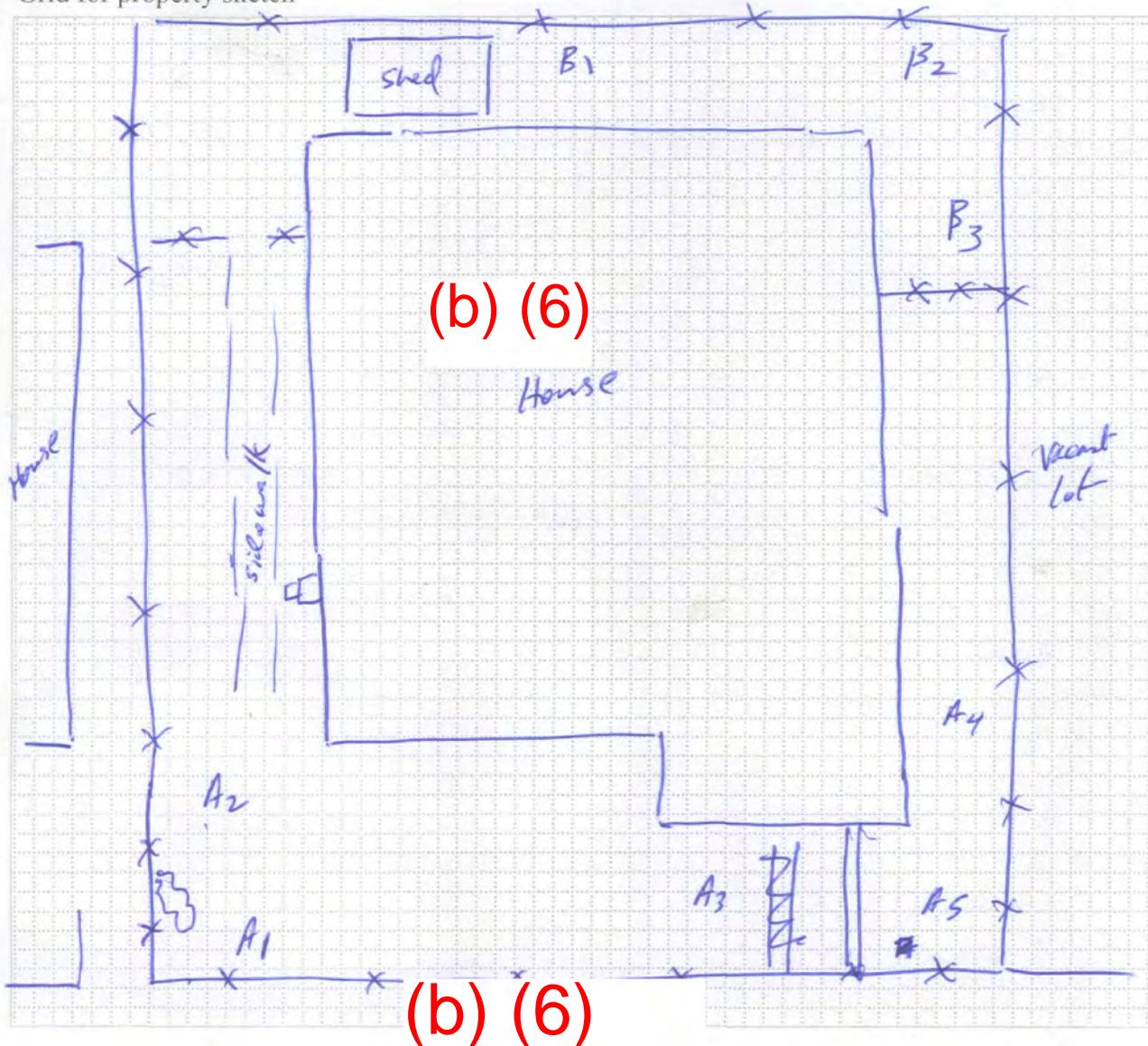
Other pertinent information (weather conditions, etc.):

light rain

PROPERTY COMMENTS:

resident @ home. Split samples w/ C.
Primo (amc)

Grid for property sketch



STATION ID: CV1342A SAMPLE ID: CV1342A-CS-SP

SAMPLE COLLECTION TIME: 1120

Description of sample location (front, back, side yard) vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV1342 A

GPS Coordinates:	Trimble <u>T</u>	Instrument #:	<u>18594</u>	Logged?	<u>Y</u> or N
Aliquot #1:	Latitude:	<u>33.55239339</u>	N Longitude	<u>86.79905474</u>	W
	Media description:	<u>orange brown silt w/ gravel</u>			
Aliquot #2:	Latitude:	<u>33.55240502</u>	N Longitude	<u>86.79902565</u>	W
	Media description:	<u>sand as #1</u>			
Aliquot #3:	Latitude:	<u>33.55236476</u>	N Longitude	<u>86.79904138</u>	W
	Media description:	<u>sand as #1</u>			
Aliquot #4:	Latitude:	<u>33.55231985</u>	N Longitude	<u>86.798898217</u>	W
	Media description:	<u>sand as #1</u>			
Aliquot #5:	Latitude:	<u>33.55232604</u>	N Longitude	<u>86.79905127</u>	W
	Media description:	<u>sand as #1</u>			

STATION ID: CV1342 B SAMPLE ID: CV1342B-CS-SP

SAMPLE COLLECTION TIME: 1127

Description of sample location (front, back, side yard) vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble <u>T</u>	Instrument #:	<u>18594</u>	Logged?	<u>Y</u> or N
Aliquot #1:	Latitude:	<u>33.55235624</u>	N Longitude	<u>86.79879536</u>	W
	Media description:	<u>brown / dark brown silt w/ gravel</u>			
Aliquot #2:	Latitude:	<u>33.55232331</u>	N Longitude	<u>86.79880169</u>	W
	Media description:	<u>sand as #1</u>			
Aliquot #3:	Latitude:	<u>33.55231575</u>	N Longitude	<u>86.79885962</u>	W
	Media description:	<u>sand as #1</u>			
Aliquot #4:	Latitude:		N Longitude		W
	Media description:				
Aliquot #5:	Latitude:		N Longitude		W
	Media description:				

(b) (6)

ADDRESS: 848/24/13 PROPERTY ID: 90CV0790
1325
DATE: 8/24/13 ARRIVAL TIME: 1325

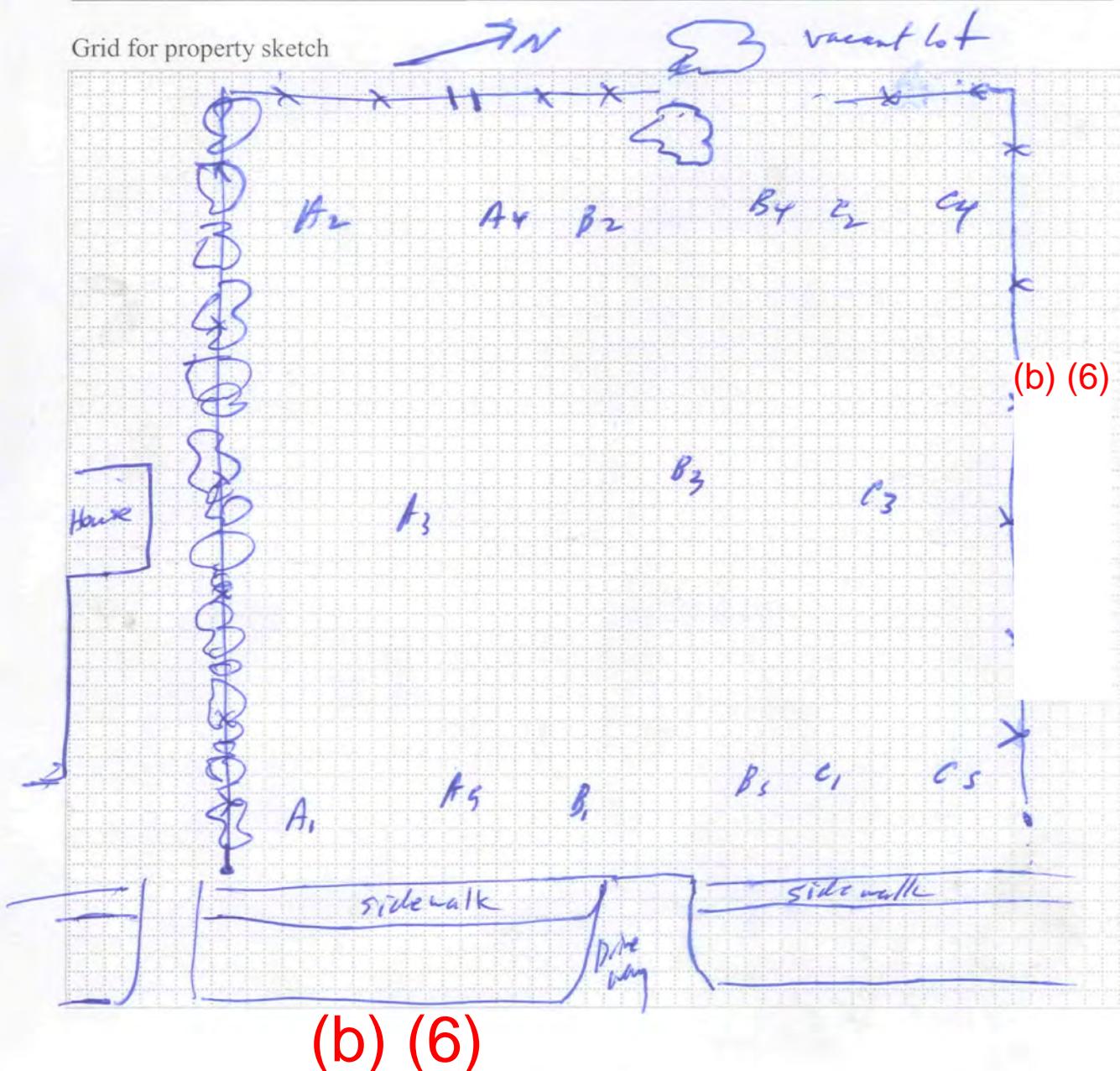
Other pertinent information (weather conditions, etc.):

66°F, light rain, no wind

PROPERTY COMMENTS:

Vacant lot. Split samples w/ C.
Troiano (6mc).

Grid for property sketch



STATION ID: CVO790 A SAMPLE ID: CVO790A-CS-SP

SAMPLE COLLECTION TIME: 1341

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

north 1/3 of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CVO790A

GPS Coordinates:	Trimble [X]	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/> or N
Aliquot #1:	Latitude:	<u>33.55333635</u>	N Longitude	<u>86.80122508</u>	W
	Media description:	<u>dark brown sandy silt dry</u>			
Aliquot #2:	Latitude:	<u>33.55358343</u>	N Longitude	<u>86.80119851</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #3:	Latitude:	<u>33.55345415</u>	N Longitude	<u>86.80118309</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #4:	Latitude:	<u>33.55355797</u>	N Longitude	<u>86.80113187</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #5:	Latitude:	<u>33.55334150</u>	N Longitude	<u>86.801</u>	W
	Media description:	<u>same as #1</u>			

STATION ID: CVO790B SAMPLE ID: CVO790B-CS-SP

SAMPLE COLLECTION TIME: 1352

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

center 1/3 of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CVO790 B

GPS Coordinates:	Trimble [X]	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/> or N
Aliquot #1:	Latitude:	<u>33.55334274</u>	N Longitude	<u>86.80114482</u>	W
	Media description:	<u>dk brown silty dry</u>			
Aliquot #2:	Latitude:	<u>33.55357429</u>	N Longitude	<u>86.80111099</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #3:	Latitude:	<u>33.55345832</u>	N Longitude	<u>86.80108840</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #4:	Latitude:	<u>33.55356237</u>	N Longitude	<u>86.80104671</u>	W
	Media description:	<u>same as #1 w/ building debris</u>			
Aliquot #5:	Latitude:	<u>33.55333912</u>	N Longitude	<u>86.80106880</u>	W
	Media description:	<u>same as #4</u>			

ADDRESS: _____ PROPERTY ID: _____

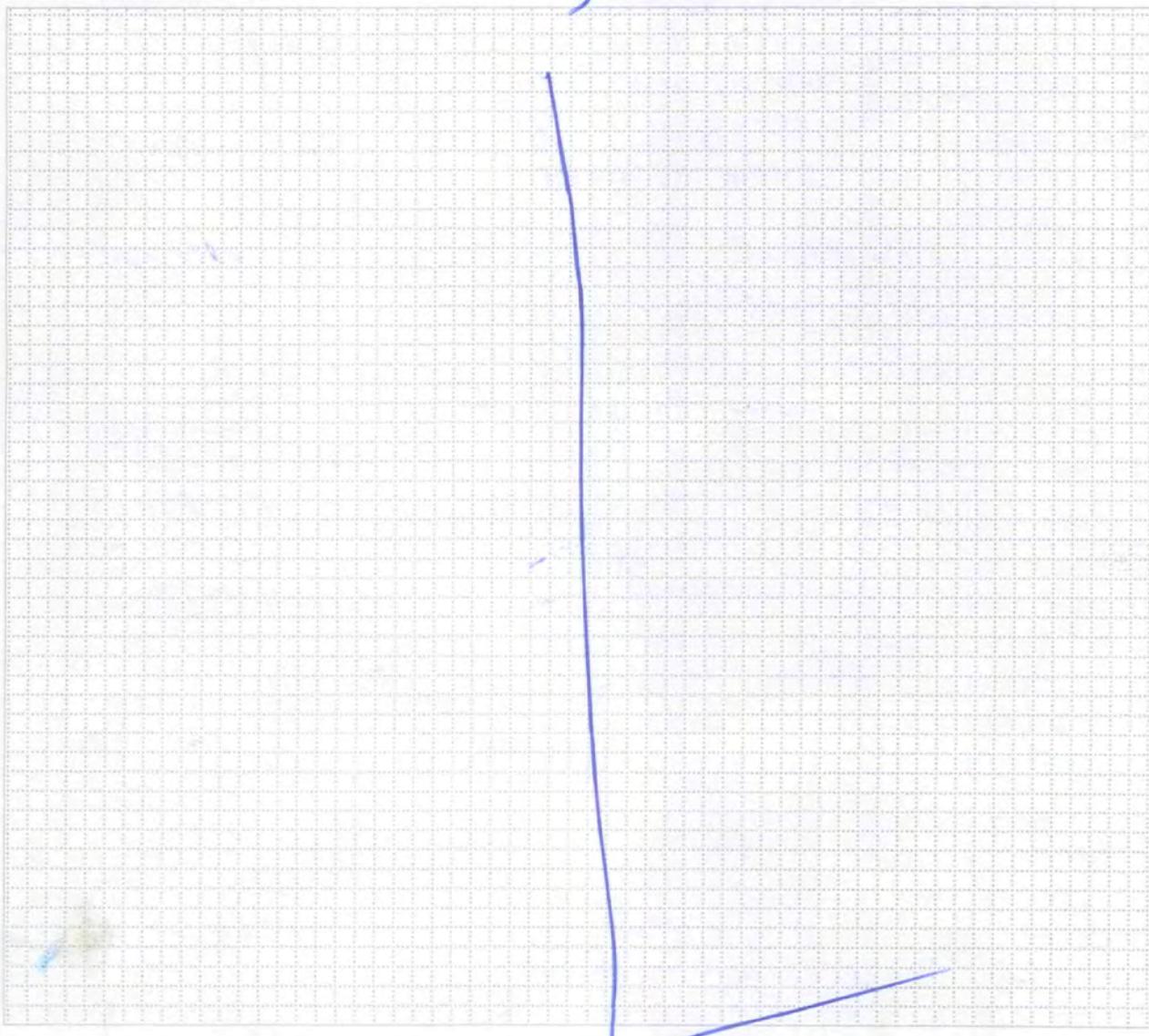
DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

SEE
PG.
30

Grid for property sketch



STATION ID: CV0790CSAMPLE ID: Ovo790C-05-SPSAMPLE COLLECTION TIME: 1354

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

South 1/3 of lotCollection: Composite or GrabMS/MSD? Y or N PField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0790C

GPS Coordinates: Trimble []	Instrument #:	<u>18594</u>	Logged? Y or N
Aliquot #1: Latitude:	<u>33.5533807</u>	N Longitude	<u>86.80104928</u> W
Media description:	<u>dk brown silty clay w/gravel & coal fragments</u>		
Aliquot #2 Latitude:	<u>33.55356342</u>	N Longitude	<u>86.80103026</u> W
Media description:	<u>Same as #1</u>		
Aliquot #3: Latitude:	<u>33.55345445</u>	N Longitude	<u>86.80100089</u> W
Media description:	<u>Same as #1</u>		
Aliquot #4: Latitude:	<u>33.55356013</u>	N Longitude	<u>86.80094702</u> W
Media description:	<u>Same as #1</u>		
Aliquot #5: Latitude:	<u>33.55333458</u>	N Longitude	<u>86.80095711</u> W
Media description:	<u>Same as #1</u>		

STATION ID:

SAMPLE ID:

SAMPLE COLLECTION TIME:

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble []	Instrument #:	Logged? Y or N
Aliquot #1: Latitude:	N Longitude	W
Media description:		
Aliquot #2 Latitude:	N Longitude	W
Media description:		
Aliquot #3: Latitude:	N Longitude	W
Media description:		
Aliquot #4: Latitude:	N Longitude	W
Media description:		
Aliquot #5: Latitude:	N Longitude	W
Media description:		

(b) (6)

ADDRESS: 5 PROPERTY ID: CV0752

DATE: 4/25/13 ARRIVAL TIME: 0835

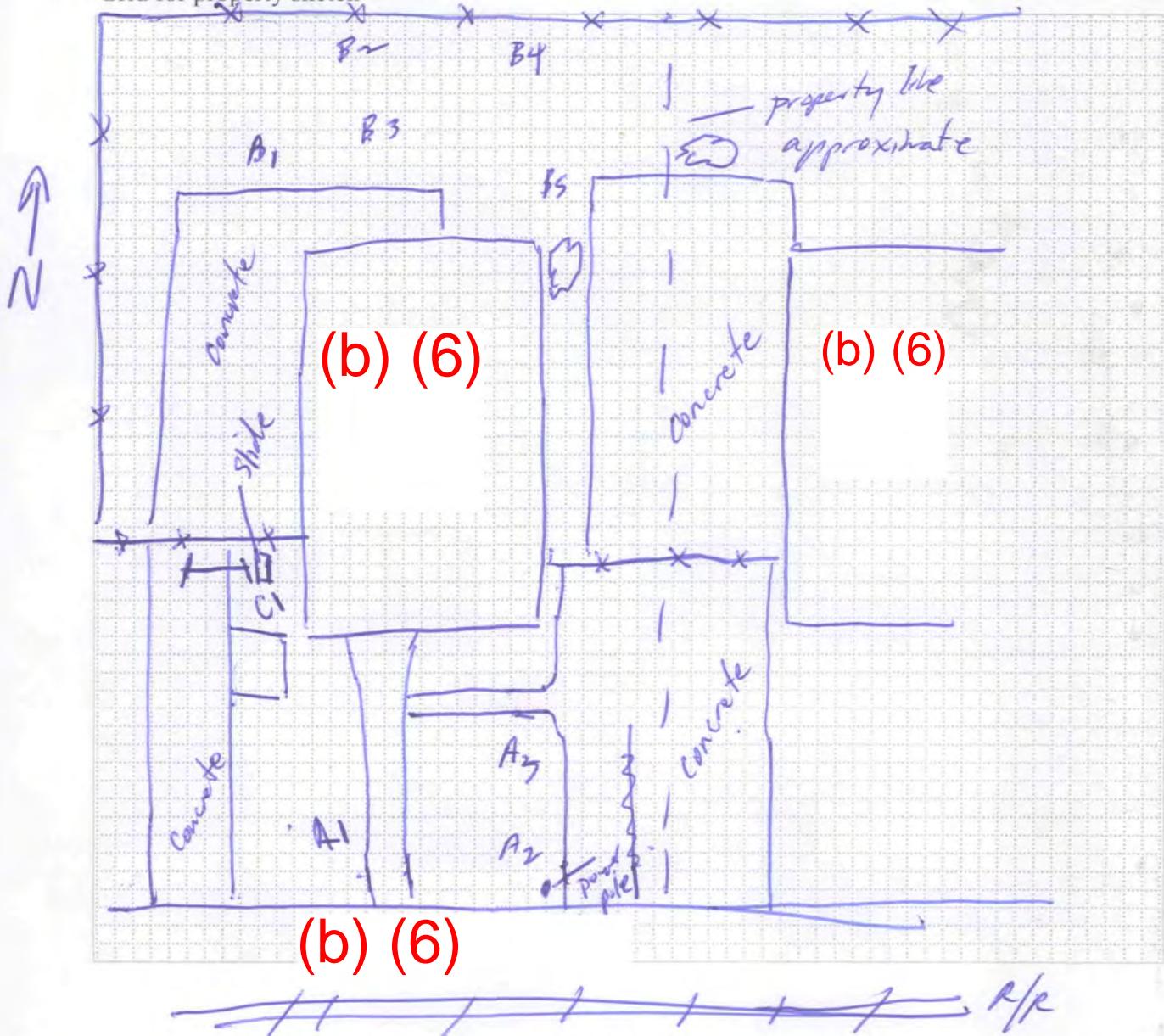
Other pertinent information (weather conditions, etc.):

48°F, sunny, wind NNE 10 mph

PROPERTY COMMENTS:

No resident at home. Confirm property w/ resident by phone. Split samples (b) (6)

Grid for property sketch



STATION ID: CV0752A

SAMPLE ID: CV0752A-CS-SP

SAMPLE COLLECTION TIME: 0900

Description of sample location (front, back, side ~~yard~~ vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0752A

GPS Coordinates: Trimble [X] Instrument #: 18594 Logged? D or N

Aliquot #1: Latitude: 33.55286506 N Longitude 86.79735539 W

Media description: tan blk sand w/ gravel / dry

Aliquot #2 Latitude: 33.55284886 N Longitude 86.79731388 W

Media description: reddish brown sand + silt w/ gravel & coal frags dry

Aliquot #3: Latitude: 33.55288382 N Longitude 86.79730774 W

Media description: Sone as #2

Aliquot #4: Latitude: N Longitude W

Media description:

Aliquot #5: Latitude: N Longitude W

Media description:

STATION ID: CV0752B

SAMPLE ID: CV0752B-CS-SP

SAMPLE COLLECTION TIME: 0913

Description of sample location (front, back, side ~~yard~~ vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X] Instrument #: 18594 Logged? D or N

Aliquot #1: Latitude: 33.55309982 N Longitude 86.79738221 W

Media description: dk brown silt w/ coal frags dry

Aliquot #2 Latitude: 33.55315548 N Longitude 86.79734864 W

Media description: Sone as #1

Aliquot #3: Latitude: 33.55312992 N Longitude 86.79734417 W

Media description: Sone as #1

Aliquot #4: Latitude: 33.55315128 N Longitude 86.79728137 W

Media description: Sone as #1

Aliquot #5: Latitude: 33.55312724 N Longitude 86.79726248 W

Media description: Sone as #1

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

SEE PG 34

Grid for property sketch



STATION ID: CV0752CSAMPLE ID: CV0752C-65-50SAMPLE COLLECTION TIME: 0923Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
play set slide

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0752C

GPS Coordinates:	Trimble []	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.55292503</u>	N Longitude	<u>86.79739852</u>	W
	Media description:	<u>reddish brown sandy silt w/ coal frags & gravel by</u>			
Aliquot #2:	Latitude:		N Longitude		W
	Media description:				
Aliquot #3:	Latitude:		N Longitude		W
	Media description:				
Aliquot #4:	Latitude:		N Longitude		W
	Media description:				
Aliquot #5:	Latitude:		N Longitude		W
	Media description:				

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble []	Instrument #:		Logged?	<input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:		N Longitude		W
	Media description:				
Aliquot #2:	Latitude:		N Longitude		W
	Media description:				
Aliquot #3:	Latitude:		N Longitude		W
	Media description:				
Aliquot #4:	Latitude:		N Longitude		W
	Media description:				
Aliquot #5:	Latitude:		N Longitude		W
	Media description:				

(b) (6)

ADDRESS:

PROPERTY ID: CV1312

DATE: 4/25/13

ARRIVAL TIME: 0935

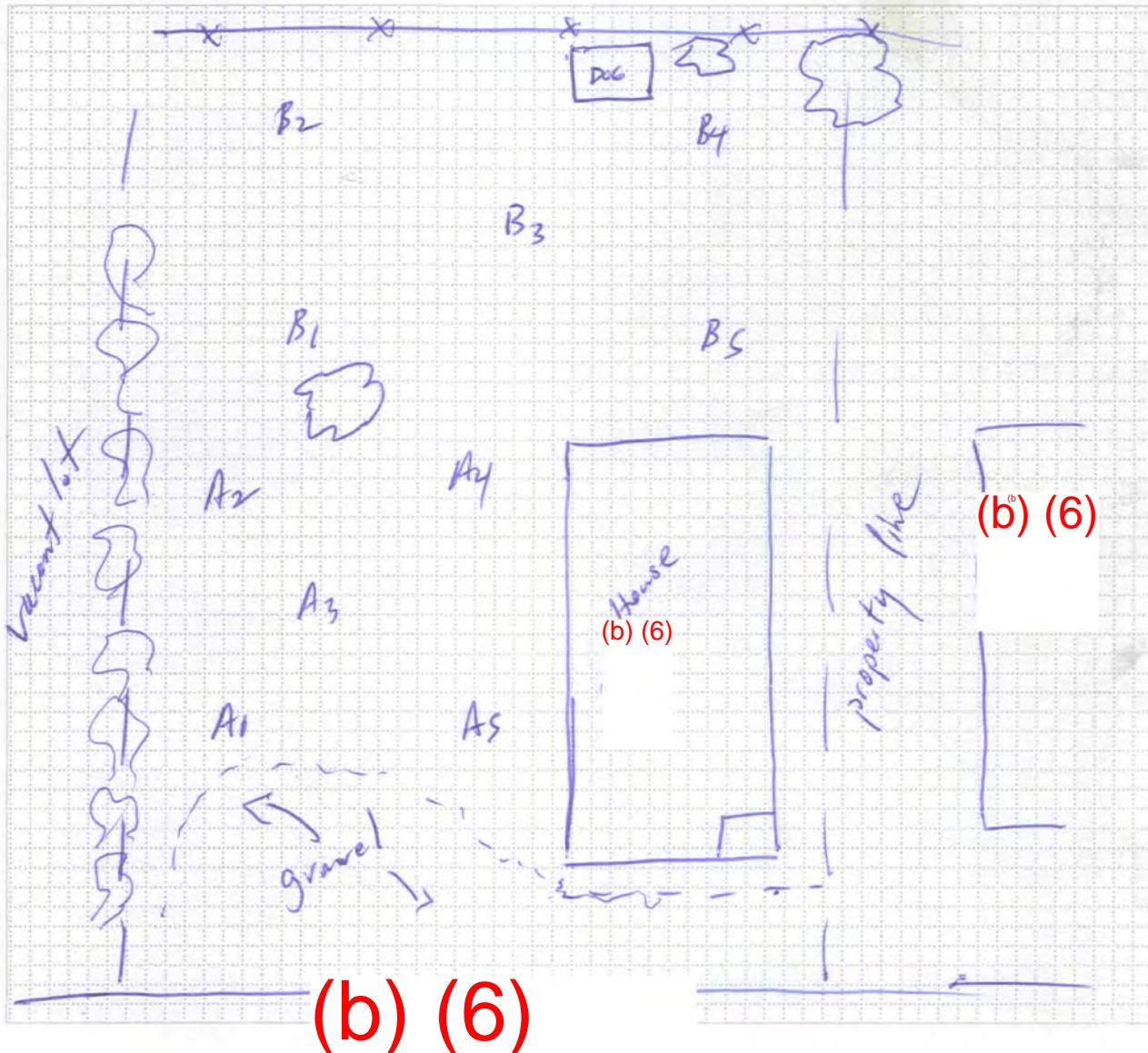
Other pertinent information (weather conditions, etc.):

8x51°, sunny, wind N E smart

PROPERTY COMMENTS:

resident @ home. Split samples
w/ C. Toscano (Gmc).

Grid for property sketch



STATION ID:

CV1312A

SAMPLE ID:

CV1312A-CS-SP

SAMPLE COLLECTION TIME:

0950

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV1312A

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #:	18594	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude:	33-55227884	N Longitude	86-79968103 W
Media description:	dk brown silty to clay moist		
Aliquot #2: Latitude:	33-55225924	N Longitude	86-79959517 W
Media description:	same as #1		
Aliquot #3: Latitude:	33-55224582	N Longitude	86-79963295 W
Media description:	tan clay moist		
Aliquot #4: Latitude:	33-55222074	N Longitude	86-79961350 W
Media description:	same as #1		
Aliquot #5: Latitude:	33-55220068	N Longitude	86-79970414 W
Media description:	same as #1		

STATION ID: CV1312B

SAMPLE ID: CV1312B-CS-SP

SAMPLE COLLECTION TIME: 1001

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV1312B

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #:	18594	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude:	33-55224840	N Longitude	86-79956376 W
Media description:	dk brown silty clay moist		
Aliquot #2: Latitude:	33-55223349	N Longitude	86-79948269 W
Media description:	brown silt w/ gravel moist		
Aliquot #3: Latitude:	33-55219636	N Longitude	86-79953858 W
Media description:	same as #1		
Aliquot #4: Latitude:	33-55212521	N Longitude	86-79952130 W
Media description:	tan silty clay moist		
Aliquot #5: Latitude:	33-55212005	N Longitude	86-79957151 W
Media description:	same as #1		

(b) (6)

ADDRESS: _____

PROPERTY ID: CVO121

DATE: 4/25/13

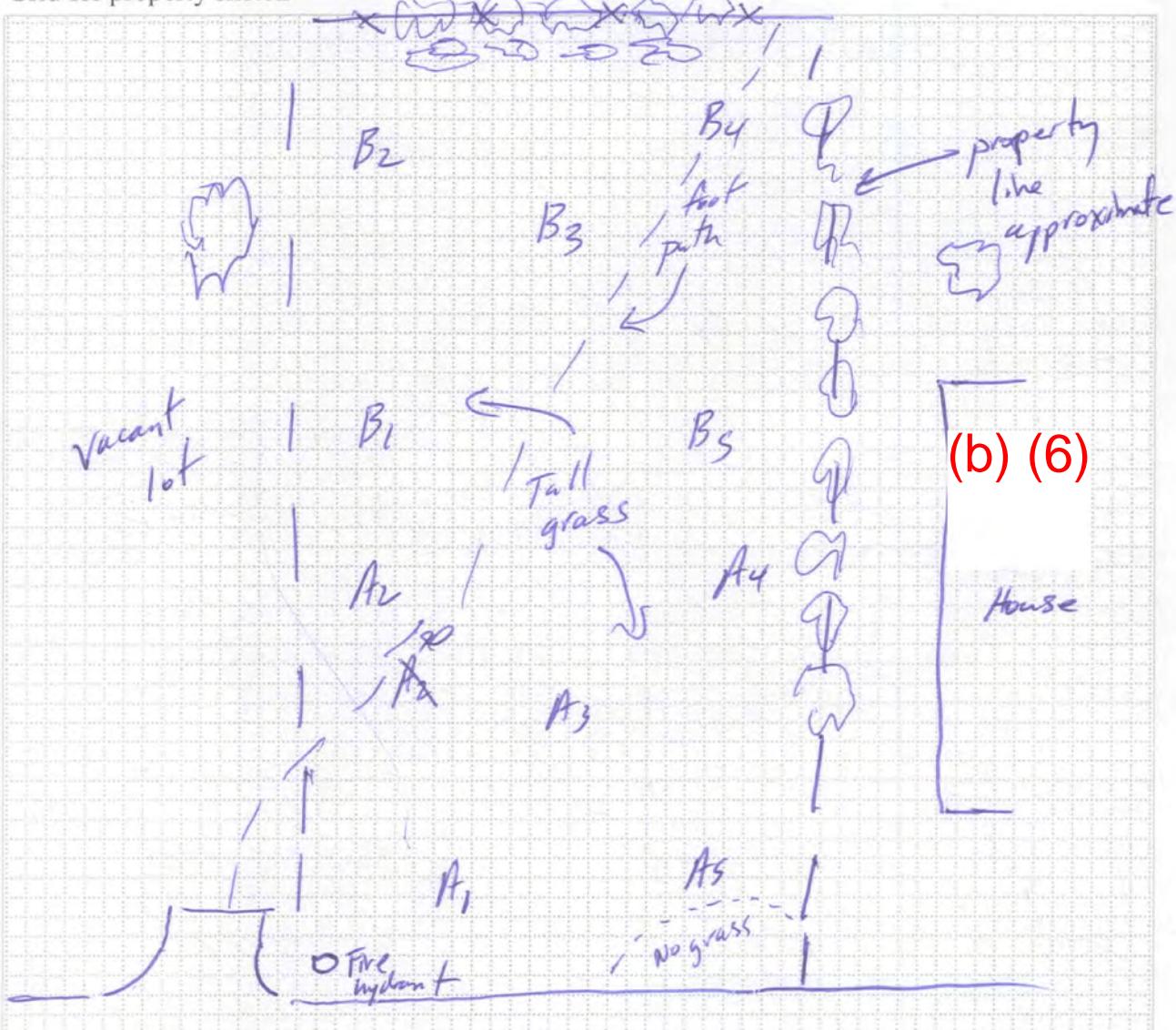
ARRIVAL TIME: 1047

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

vacant lot. Split samples w/ C. Toriano (amc).

Grid for property sketch



STATION ID: CVO121ASAMPLE ID: CVO121A-CS-SPSAMPLE COLLECTION TIME: 1058

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

front (street side) half of lotCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CVO121A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/>	Y or N
Aliquot #1:	Latitude:	<u>33.56003063</u>	N Longitude	<u>86.80485679</u>	W	
	Media description:	<u>dk brown silty clay moist</u>				
Aliquot #2:	Latitude:	<u>33.56005049</u>	N Longitude	<u>86.80471455</u>	W	
	Media description:	<u>same as #1</u>				
Aliquot #3:	Latitude:	<u>33.56001788</u>	N Longitude	<u>86.80477740</u>	W	
	Media description:	<u>same as #1</u>				
Aliquot #4:	Latitude:	<u>33.55998391</u>	N Longitude	<u>86.80470999</u>	W	
	Media description:	<u>tan clay moist</u>				
Aliquot #5:	Latitude:	<u>33.55997448</u>	N Longitude	<u>86.80486356</u>	W	
	Media description:	<u>same as #1</u>				

STATION ID: CVO121BSAMPLE ID: CVO121B-CS-SPSAMPLE COLLECTION TIME: 1112

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back 1/2 of lotCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CVO121B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/>	Y or N
Aliquot #1:	Latitude:	<u>33.56004911</u>	N Longitude	<u>86.80463050</u>	W	
	Media description:	<u>dk brown sandy silt moist</u>				
Aliquot #2:	Latitude:	<u>33.56004234</u>	N Longitude	<u>86.80451734</u>	W	
	Media description:	<u>same as #1</u>				
Aliquot #3:	Latitude:	<u>33.56002200</u>	N Longitude	<u>86.80457876</u>	W	
	Media description:	<u>light brown sand dry</u>				
Aliquot #4:	Latitude:	<u>33.55998419</u>	N Longitude	<u>86.80452769</u>	W	
	Media description:	<u>same as #3</u>				
Aliquot #5:	Latitude:	<u>33.55998679</u>	N Longitude	<u>86.80463431</u>	W	
	Media description:	<u>same as #3</u>				

(b) (6)

ADDRESS:

PROPERTY ID: CV0282

DATE: 4/25/13

ARRIVAL TIME: 1255

Other pertinent information (weather conditions, etc.):

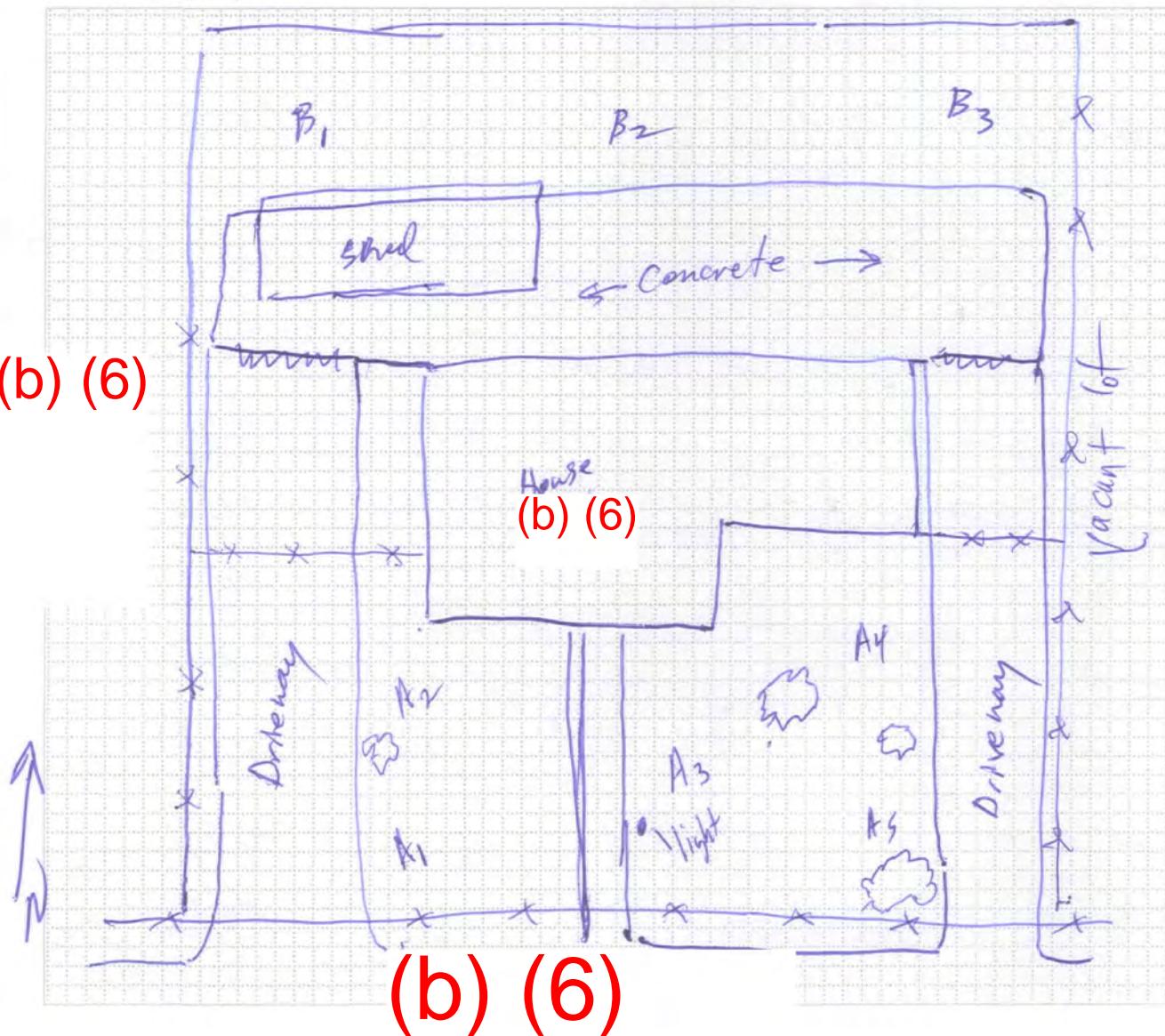
65°F, sunny, and no wind

PROPERTY COMMENTS:

No resident at home.

Split samples w/ C. Thorano (conc)

Grid for property sketch



STATION ID: CV0282A

SAMPLE ID: CV0282A-CS-SP

SAMPLE COLLECTION TIME: 1312

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0282A

GPS Coordinates: Trimble Instrument #: 18594

Logged? Y or N

Aliquot #1: Latitude: 33.55562035 N Longitude 86.80829454 W

Media description: brown silty clay dry

Aliquot #2 Latitude: 33.55567283 N Longitude 86.8030010 W

Media description: same as #1

Aliquot #3: Latitude: 33.55565749 N Longitude 86.80824471 W

Media description: same as #1

Aliquot #4: Latitude: 33.55569419 N Longitude 86.80818957 W

Media description: same as #1

Aliquot #5: Latitude: 33.55566042 N Longitude 86.80818847 W

Media description: same as #1

STATION ID: CV0282B

SAMPLE ID: CV0282B-CS-SP

SAMPLE COLLECTION TIME: 1325

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0282B

GPS Coordinates: Trimble Instrument #: 18594

Logged? Y or N

Aliquot #1: Latitude: 33.55588484 N Longitude 86.80827997 W

Media description: brown silty clay w/ coal frags dry

Aliquot #2 Latitude: 33.55590048 N Longitude 86.80823271 W

Media description: brown silty clay dry

Aliquot #3: Latitude: 33.55590386 N Longitude 86.80818657 W

Media description: same as #2

Aliquot #4: Latitude: N Longitude W

Media description:

Aliquot #5: Latitude: N Longitude W

Media description:

(b) (6)

ADDRESS:

PROPERTY ID: Fm0023

DATE:

4/25/13

ARRIVAL TIME: 1345

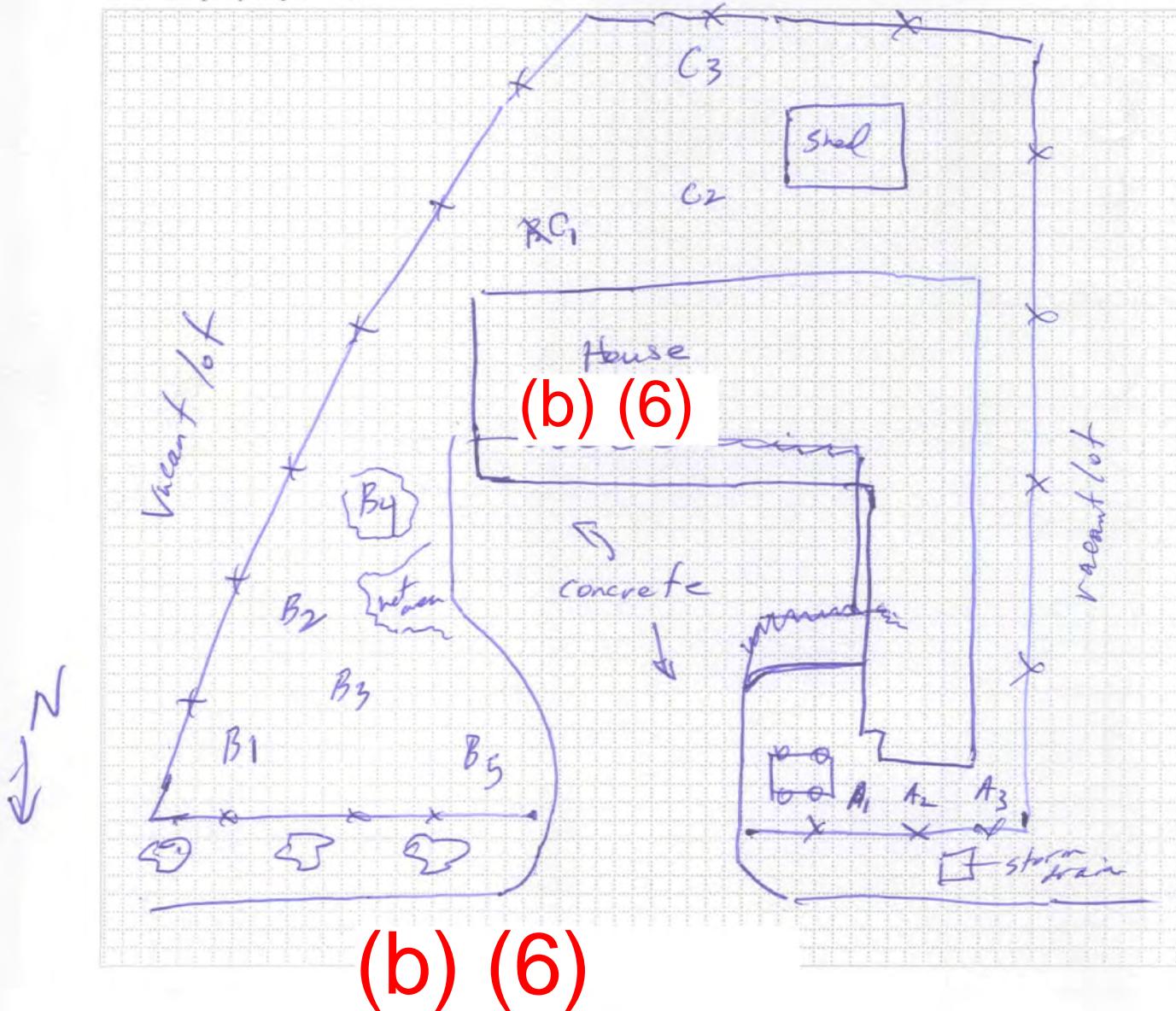
Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

(b) (6)

resident @ home. Split samples at
(b) (6) (concrete), Southeast side of
house has material for auto repair & is
wet.

Grid for property sketch



STATION ID: Fm0023A SAMPLE ID: Fm0023A-CS-SP

SAMPLE COLLECTION TIME: 1402

Description of sample location (front back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0023A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>18594</u>	Logged? <input checked="" type="checkbox"/> Y or <input type="radio"/> N
Aliquot #1: Latitude:	<u>33.56558388</u>	N Longitude	<u>86.81063413</u> W
Media description:	<u>brown silt dry</u>		
Aliquot #2 Latitude:	<u>33.56560870</u>	N Longitude	<u>86.81066226</u> W
Media description:	<u>Same as #1</u>		
Aliquot #3: Latitude:	<u>33.56562927</u>	N Longitude	<u>86.81069075</u> W
Media description:	<u>Same as #1</u>		
Aliquot #4: Latitude:	N Longitude		
Media description:	<u> </u>		
Aliquot #5: Latitude:	N Longitude		
Media description:	<u> </u>		

STATION ID: Fm0023B SAMPLE ID: Fm0023B-CS-SP

SAMPLE COLLECTION TIME: 1414

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0023B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>18594</u>	Logged? <input checked="" type="checkbox"/> Y or <input type="radio"/> N
Aliquot #1: Latitude:	<u>33.56540582</u>	N Longitude	<u>86.81046785</u> W
Media description:	<u>brown silty clay dry moist</u>		
Aliquot #2 Latitude:	<u>33.56537169</u>	N Longitude	<u>86.81054129</u> W
Media description:	<u>Same as #1</u>		
Aliquot #3: Latitude:	<u>33.56543053</u>	N Longitude	<u>86.81053372</u> W
Media description:	<u>Same as #1</u>		
Aliquot #4: Latitude:	<u>33.56539962</u>	N Longitude	<u>86.81059515</u> W
Media description:	<u>orange clay dry</u>		
Aliquot #5: Latitude:	<u>33.56548274</u>	N Longitude	<u>86.81054608</u> W
Media description:	<u>Same as #1</u>		

ADDRESS: _____

PROPERTY ID: _____

DATE: _____

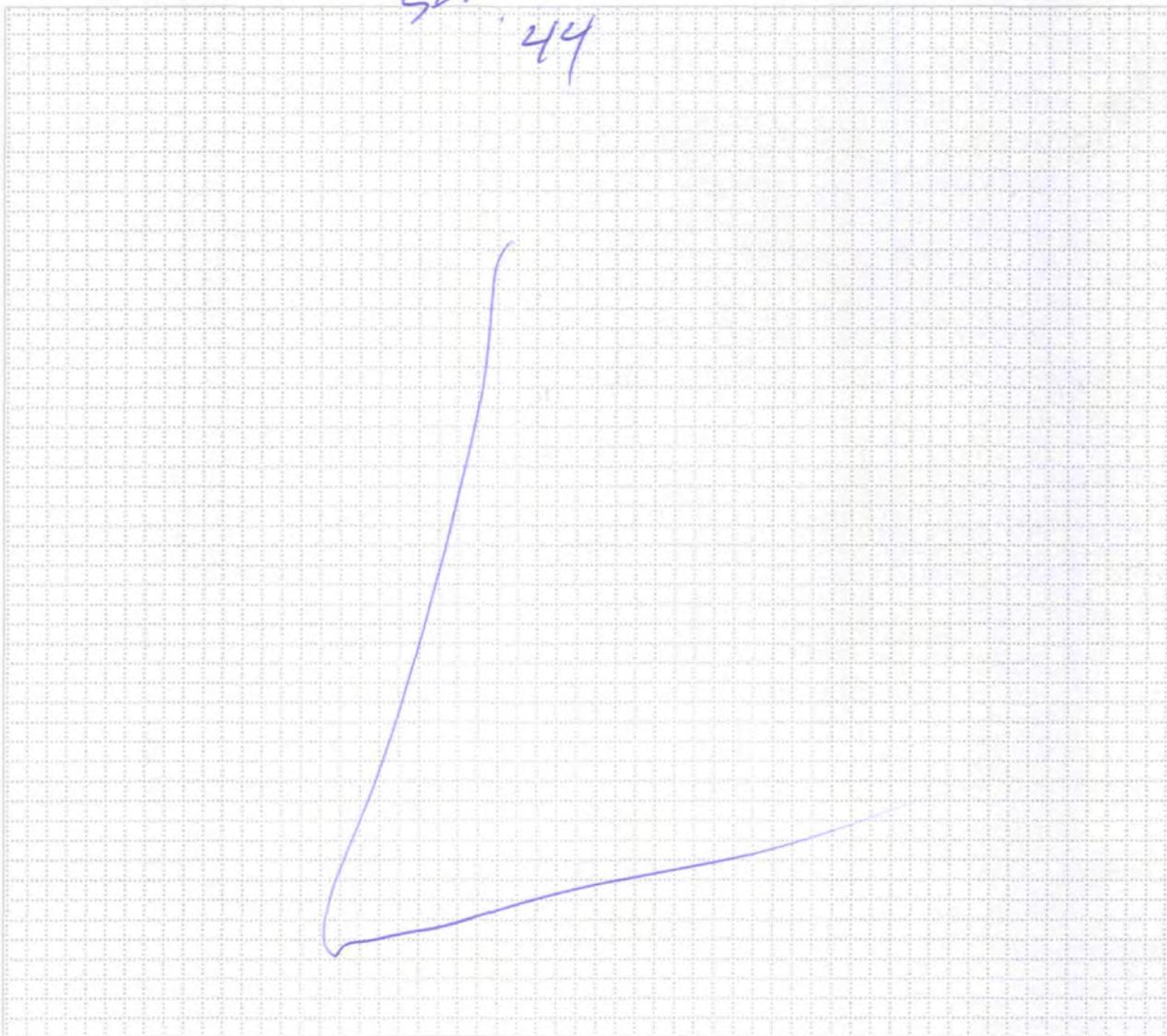
ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

SEE Pg.
44



STATION ID: Fm0023C
SAMPLE COLLECTION TIME: 1428

SAMPLE ID: Fm0023C-CS-SF

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection:	Composite	or	Grab	MS/MSD?	Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:				<u>Fm0023C</u>	
GPS Coordinates:	Trimble []	Instrument #:	<u>18594</u>	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33-56537841</u>	N Longitude	<u>86.81069107</u>	W
	Media description:	<u>tan/light brown silty clay w/ gravel dry</u>			
Aliquot #2:	Latitude:	<u>33-56541015</u>	N Longitude	<u>86.81077422</u>	W
	Media description:	<u>Same as #1</u>			
Aliquot #3:	Latitude:	<u>33-56537948</u>	N Longitude	<u>86.81083482</u>	W
	Media description:	<u>Same as #1</u>			
Aliquot #4:	Latitude:		N Longitude		W
	Media description:				
Aliquot #5:	Latitude:		N Longitude		W
	Media description:				

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection:	Composite	or	Grab	MS/MSD?	Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:					
GPS Coordinates:	Trimble []	Instrument #:		Logged?	Y or N
Aliquot #1:	Latitude:		N Longitude		W
	Media description:				
Aliquot #2:	Latitude:		N Longitude		W
	Media description:				
Aliquot #3:	Latitude:		N Longitude		W
	Media description:				
Aliquot #4:	Latitude:		N Longitude		W
	Media description:				
Aliquot #5:	Latitude:		N Longitude		W
	Media description:				

(b) (6)

ADDRESS

DATE: 9/25/13

PROPERTY ID: Fm0245

ARRIVAL TIME: 1530

Other pertinent information (weather conditions, etc.):

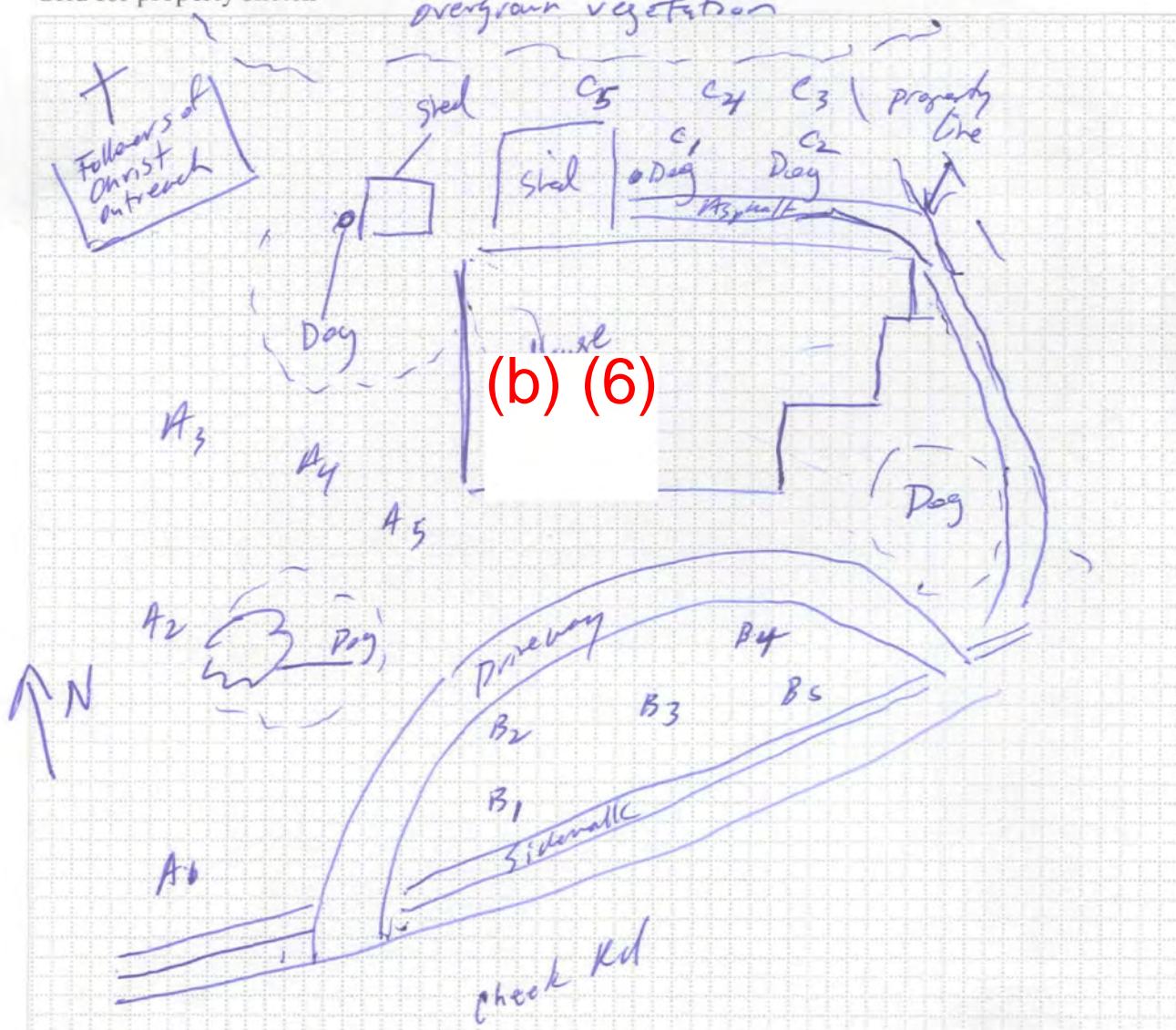
71°F, sunny, wind light variable

PROPERTY COMMENTS:

Resident @ home. 5 aggressive dogs on property limits access to property.

North side of property is inaccessible due to very heavy/thick vegetation.

Grid for property sketch



STATION ID: Fm0245A

SAMPLE ID: Fm0245A-CS-SP

SAMPLE COLLECTION TIME: 1557

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates:	Trimble [X]	Instrument #:	18594	Logged?	Y or N
Aliquot #1: Latitude:	33.56897219	N Longitude	86.8040325	W	
Media description:	brun silt dry	dry			
Aliquot #2 Latitude:	33.56900132	N Longitude	86.80844939	W	
Media description:	Same as #1	9e84			
Aliquot #3: Latitude:	33.56907756	N Longitude	86.80847916	W	
Media description:	Same as #1	9e84			
Aliquot #4: Latitude:	33.56914676	N Longitude	86.808483249	W	
Media description:	Same as #1				
Aliquot #5: Latitude:	33.5615445	N Longitude	86.80835883	W	
Media description:	orange clay dry				

STATION ID: Fm0245B

SAMPLE ID: Fm0245B-CS-SP

SAMPLE COLLECTION TIME: 1605

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0245B

GPS Coordinates:	Trimble [X]	Instrument #:	18594	Logged?	Y or N
Aliquot #1: Latitude:	33.56911217	N Longitude	86.80824076	W	
Media description:	BWN SILTY CLAY				
Aliquot #2 Latitude:	33.56913169	N Longitude	86.80826886	W	
Media description:	SAME AS #1				
Aliquot #3: Latitude:	33.56916340	N Longitude	86.80823249	W	
Media description:	SAME AS #1				
Aliquot #4: Latitude:	33.56920766	N Longitude	86.80822422	W	
Media description:	BWN SILTY CLAY w/ COAL FRAGMENTS, GRATE + BUILDING DEBRIS				
Aliquot #5: Latitude:	33.56920631	N Longitude	86.80816517	W	
Media description:	SAME AS #1				

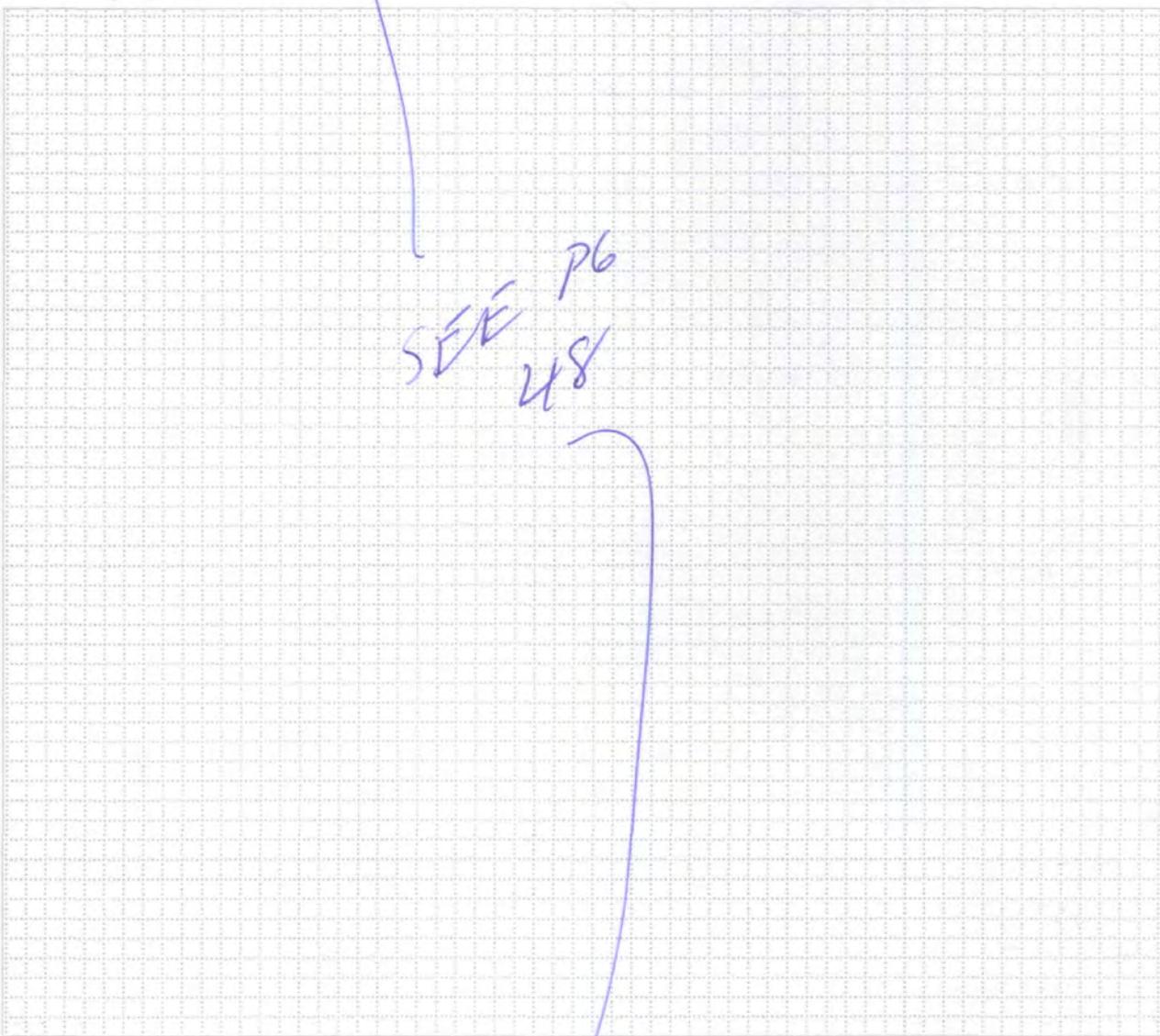
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: Fm0245C

SAMPLE ID: Fm0245C-05-SP

SAMPLE COLLECTION TIME: 1608

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0245C

GPS Coordinates: Trimble [] Instrument #: 18594 Logged? Y or N
Aliquot #1: Latitude: 33.56935874 N Longitude 86.80841265 W
Media description: brown silty clay dry
Aliquot #2 Latitude: 33.56939664 N Longitude 86.80835448 W
Media description: same as #1
Aliquot #3: Latitude: 33.56977362 N Longitude 86.80847156 W
Media description: Same as #1
Aliquot #4: Latitude: 33.56944658 N Longitude 86.80850551 W
Media description: Same as #1
Aliquot #5: Latitude: 33.56939899 N Longitude 86.80851545 W
Media description: Same as #1

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N
Aliquot #1: Latitude: _____ N Longitude _____ W
Media description: _____
Aliquot #2 Latitude: _____ N Longitude _____ W
Media description: _____
Aliquot #3: Latitude: _____ N Longitude _____ W
Media description: _____
Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: _____
Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: _____

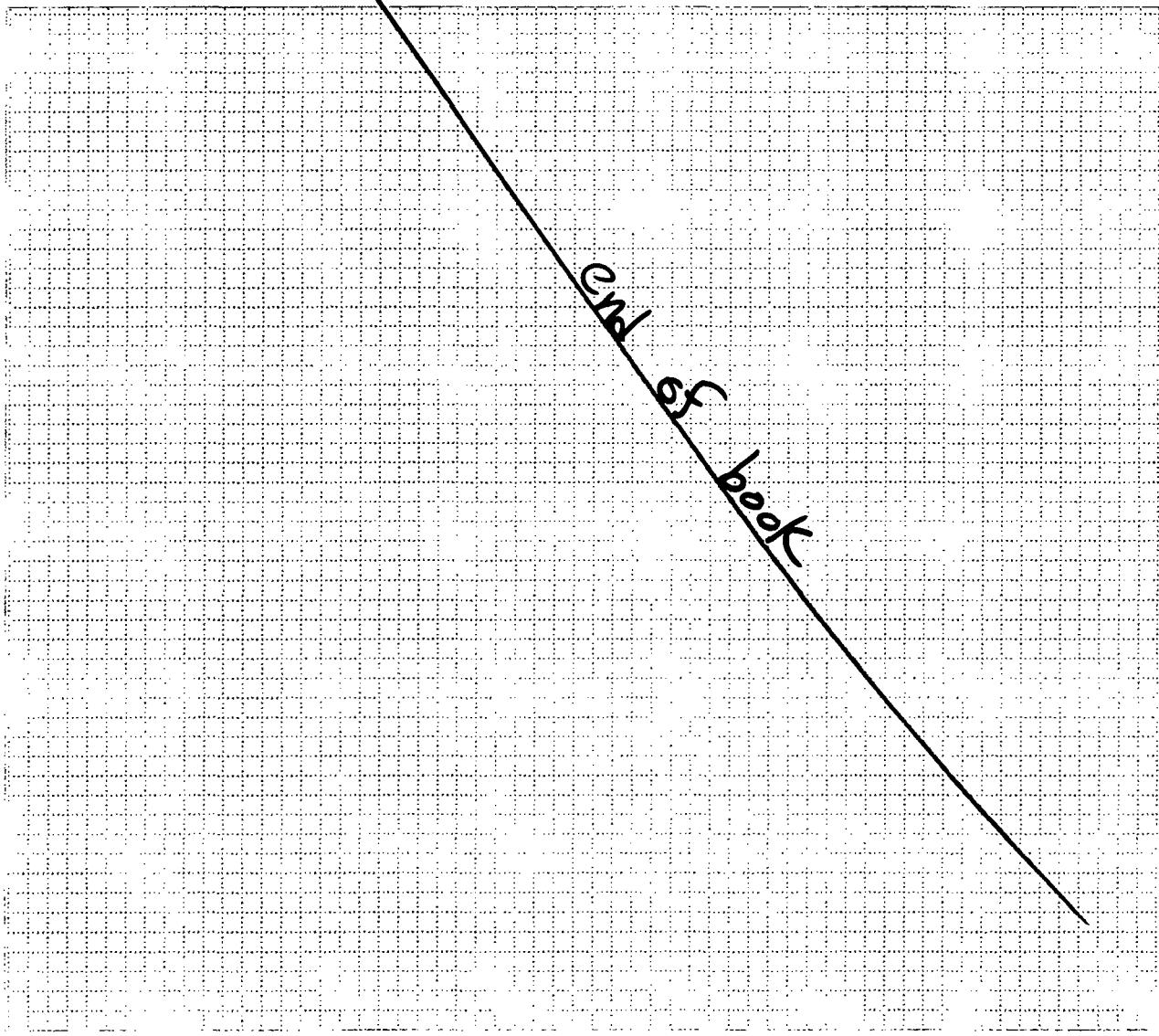
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



The remaining pages in this logbook are
blank and have not been scanned.